

MICROVALVES  
MICRO VENTILY  
MICROVALVOLE

VM

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SOLENOID VALVES 15 mm  
MINI VENTILY 15MM  
ELETTROVALVOLA 15 mm

EP

PAGE  
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SOLENOID VALVES 10 mm  
MINI VENTILY 10 MM  
ELETTROVALVOLA 10 mm

EP

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DIRECTLY OPERATED SOLENOID VALVES  
PŘÍMO OVLÁDANÉ EL.MAG. VENTILY  
ELETTROVALVOLE A COMANDO DIRETTO

VD

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MODULAR DIRECTLY SOLENOID VALVES  
MODULÁRNÍ PŘÍMO OVLÁDANÉ EL.MAG. VENTILY  
ELETTROVALVOLE MODULARI A COMANDO DIRETTO

VD

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SOLENOID VALVES VY SERIES - 1/8 - 1/4  
EL.MAG. VENTILY SÉRIE VY  
ELETTROVALVOLE SÉRIE VY - 1/8 - 1/4

VY

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SOLENOID VALVES VY SERIES - 1/2  
EL.MAG. VENTILY SÉRIE VY - 1/2  
ELETTROVALVOLE SÉRIE VY - 1/2

VY

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MANIFOLD FOR SOLENOID VALVES VY SERIES  
ZÁKLADOVÉ DESKY PRO VENTILY SÉRIE VY  
SOTTOBASE PER VALVOLE SÉRIE VY

SB

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COILS AND CONNECTORS  
CÍVKY A KONEKTORY  
CONNETTORI E BOBINE

BO

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MULTI CONNECTOR SYSTEM FOR VY SERIES  
VÍCE KONEKTOROVÝ SYSTÉM PRO SÉRIE VY  
SISTEMA DI CONNESSIONE MULTIPOLARE PER SÉRIE VY

SM

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PNEUMATIC ACTUATED VALVES  
PNEUMATICKY OVLÁDANÉ VENTILY  
VALVOLE AD AZIONAMENTO PNEUMATICO

VK

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SOLENOID VALVES VA SERIES  
EL.MAG. VENTILY SÉRIE VA  
ELETTROVALVOLE SÉRIE VA

VA

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MULTI CONNECTOR SYSTEM FOR VA SERIES  
VÍCE KONEKTOROVÝ SYSTÉM PRO SÉRIE VA  
SISTEMA DI CONNESSIONE MULTIPOLARE PER SÉRIE VA

VA

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SOLENOID VALVES VB SERIES  
EL.MAG. VENTILY SÉRIE VB  
ELETTROVALVOLE SÉRIE VB

VB

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ISLAND OF SOLENOID VALVES VH2 SERIES  
VENTILOVÉ OSTROVY SÉRIE VH2  
ISOLA DI ELETTROVALVOLE VALVOLE SÉRIE VH2

VH2

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ISO 5599/1 VALVES SIZE 1 AND 2  
ISO VENTILY 1, 2 DLE ISO 5599/1  
VALVOLE ISO 5599/1 TAGLIA 1 E 2

VI

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NAMUR VALVES  
NAMUR VENTILY  
VALVOLE NAMUR

VU

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VALVOLE AD AZIONAMENTO MANUALE  
MANUÁLNĚ OVLÁDANÉ VENTILY  
MANUAL ACTUATED VALVES

VM

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ACTUATED FOR PANEL MOUNTING  
OVLÁDACÍ ČLENY PRO MONTÁŽ NA PANEĽ  
ATTUATORI DA PANNELLO

AP

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MECHANICALLY ACTUATED VALVES  
MECHANICKY OVLÁDANÉ VENTILY  
VALVOLE AD AZIONAMENTO MECCANICO

VM

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PEDAL VALVES  
NOŽNÍ PEDÁĽ  
VALVOLE A PEDALE

VP

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FLOW REGULATORS  
ŠKRTÍCÍ VENTILY  
REGOLATORI DI FLUSSO

RF

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STAINLESS STEEL FLOW REGULATORS  
NEREZOVÉ ŠKRTÍCÍ VENTILY  
REGOLATORI DI FLUSSO IN ACCIAIO INOX

RFX

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QUICK EXHAUST VALVES  
RYCHLO ODVZDUŠŇOVACÍ VENTILY  
VALVOLE A SCARICO RAPIDO

VR

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STAINLESS STEEL QUICK EXHAUST VALVES  
NEREZOVÉ RYCHLO ODVZDUŠŇOVACÍ VENTILY  
VALVOLE A SCARICO RAPIDO IN ACCIAIO INOX

VRX

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NON RETURN VALVES  
ZPĚTNÉ VENTILY  
VALVOLE DI NON RITORNO

VR

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STAINLESS STEEL NON RETURN VALVES  
NEREZOVÉ ZPĚTNÉ VENTILY  
VALVOLE DI NON RITORNO

VRX

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LOGIC ELEMENTS  
LOGICKÉ PRVKY  
ELEMENTI LOGICI

VS

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STOP VALVES  
BLOKAČNÍ VENTILY  
VALVOLE DI BLOCCO

VO

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SLIDE VALVES  
POSUVNÉ VENTILY  
VALVOLE A CORSOIO

VR

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BALL VALVES  
KULOVÉ VENTILY  
RUBINETTI A SFERA

BV

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SILENCERS  
TLUMIČE HLUKU  
SILENZIATORI

SI

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DIRECT ACTING SOLENOID VALVES  
PŘÍMO OVLÁDANÉ EL. MAG. VENTILY  
ELETTRIVALVOLE AD AZIONAMENTO DIRETTO

VQD

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INDIRECT ACTING SOLENOID VALVES  
NEPŘÍMO OVLÁDANÉ EL. MAG. VENTILY  
ELETTRIVALVOLE AD AZIONAMENTO INDIRETTO

VQI

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MEMBRANE SOLENOID VALVES  
MEMBRÁNOVÉ EL. MAG. VENTILY  
ELETTRIVALVOLE A MEMBRANA

VQM

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COILS AND CONNECTORS  
CIVKY A KONEKTORY  
CONNETTORI E BOBINE

BO

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CONDENSED DRAIN VALVE  
ODPOUŠTĚČ KONDENZÁTU S ČASOVAČEM  
VALVOLA DI SCARICO CONDENSA

VQS

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ANALOGUE TIMER  
ANALOGOVÝ ČASOVAČ  
TEMPORIZZATORE ANALOGICO

TZ

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Microvalves with plug button 3/2 (normally open or normally closed) with several types of acting, mechanical or manual. If combined with the adaptor, it is possible to assemble driving gear mechanic, manual. With the use of the adaptor all the actuators can be mounted on the panel and it is also possible to combine two microvalves and obtain the function 5/2 and 5/3.

**Mikroventily s tlačítkem 3/2 (normálně otevřený nebo normálně uzavřený) s několika typy mechanických nebo ručních. V kombinaci s adaptérem je možné sestavit mechaniku hnacího ústrojí ručně. S použitím adaptéru lze všechny pohony namontovat na panel a je také možné kombinovat funkci 5/2 a 5/3.**

*Microvalvole ad attuttore 3/2 NA o NC con svariati sistemi di azionamento, meccanico o manuale e con l'adattatore è possibile montare tutti i tipi di attuatori da pannello e persino accoppiare 2 microvalvole ed ottenere la funzione 5/2 e 5/3.*

## TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

Fluid / Tekutina / Fluido	Lubricated or non lubricated air / Mazaný nebo nemazaný vzduch / Aria con o senza lubrificazione
Pressure range / Pracovní tlak / Pracovní tlak	2 - 10 bar
Temperature range / Provozní teplota / Temperatura di esercizio	-0°C / + 60°C
Nominal orifice / Jmenovitý průměr / Diametro nominale	2.5mm
Nominal flow rate at 6 bar / Jmenovitý tlak při 6 barech / Portata nominale a 6 bar	100 NI/min

## FAST SELECT / RYCHLÝ VÝBĚR / SELEZIONE RAPIDA

### BUTTON / KNOFLÍK / PULSANTE

<b>VM4002013101</b>	3/2	NC / NZ / NC	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5002013101</b>	3/2	NC / NZ / NC	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4002013601</b>	3/2	NC / NZ / NC	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5002013601</b>	3/2	NC / NZ / NC	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

<b>VM4001013101</b>	3/2	NO / NO / NA	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5001013101</b>	3/2	NO / NO / NA	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4001013601</b>	3/2	NO / NO / NA	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5001013601</b>	3/2	NO / NO / NA	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

### ADAPTOR / ADAPTÉR / ADATTATORE

<b>VM4002023101</b>	3/2	NC / NZ / NC	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5002023101</b>	3/2	NC / NZ / NC	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4002023601</b>	3/2	NC / NZ / NC	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5002023601</b>	3/2	NC / NZ / NC	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

<b>VM4001023101</b>	3/2	NO / NO / NA	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5001023101</b>	3/2	NO / NO / NA	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4001023601</b>	3/2	NO / NO / NA	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5001023601</b>	3/2	NO / NO / NA	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

### ROLLER LEVER / ROLLER LEVER / LEVA RULLO

<b>VM4002033101</b>	3/2	NC / NZ / NC	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5002033101</b>	3/2	NC / NZ / NC	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4002033601</b>	3/2	NC / NZ / NC	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5002033601</b>	3/2	NC / NZ / NC	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

<b>VM4001033101</b>	3/2	NO / NO / NA	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5001033101</b>	3/2	NO / NO / NA	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4001033601</b>	3/2	NO / NO / NA	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5001033601</b>	3/2	NO / NO / NA	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

### UNI-DIRECTIONAL LEVER / UNIDIREZIONALE PÁKA LEVA UNIDIREZIONALE

<b>VM4002043101</b>	3/2	NC / NZ / NC	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5002043101</b>	3/2	NC / NZ / NC	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4002043601</b>	3/2	NC / NZ / NC	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5002043601</b>	3/2	NC / NZ / NC	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

<b>VM4001043101</b>	3/2	NO / NO / NA	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5001043101</b>	3/2	NO / NO / NA	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4001043601</b>	3/2	NO / NO / NA	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5001043601</b>	3/2	NO / NO / NA	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

### PANEL MOUNT TAPPET / TABULKA NA MONTÁŽ PANELU / PULSANTE PASSA PARETE

<b>VM4002053101</b>	3/2	NC / NZ / NC	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5002053101</b>	3/2	NC / NZ / NC	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4002053601</b>	3/2	NC / NZ / NC	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5002053601</b>	3/2	NC / NZ / NC	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

<b>VM4001053101</b>	3/2	NO / NO / NA	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5001053101</b>	3/2	NO / NO / NA	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4001053601</b>	3/2	NO / NO / NA	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5001053601</b>	3/2	NO / NO / NA	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

### PUSH BUTTON / STISKNĚTE TLAČÍTKO / TASTO

<b>VM4002063101</b>	3/2	NC / NZ / NC	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5002063101</b>	3/2	NC / NZ / NC	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4002063601</b>	3/2	NC / NZ / NC	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5002063601</b>	3/2	NC / NZ / NC	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

<b>VM4001063101</b>	3/2	NO / NO / NA	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5001063101</b>	3/2	NO / NO / NA	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4001063601</b>	3/2	NO / NO / NA	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5001063601</b>	3/2	NO / NO / NA	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

### ADAPTOR / ADAPTÉR / ADATTATORE

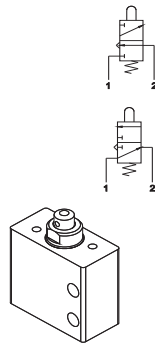
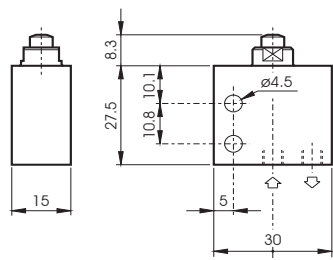
<b>VM4000025101</b>	5/2		Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5000025101</b>	5/2		Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4000025601</b>	5/2		Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5000025601</b>	5/2		Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

<b>VM4000026121</b>	5/3	CO / CO / CA	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5000026121</b>	5/3	CO / CO / CA	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4000026621</b>	5/3	CO / CO / CA	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5000026621</b>	5/3	CO / CO / CA	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

<b>VM4000026131</b>	5/3	CP / CP / CP	Lower M5 / <b>M5 dolní</b> / M5 inferiore
<b>VM5000026131</b>	5/3	CP / CP / CP	Lateral M5 / <b>M5 postranní</b> / M5 laterale
<b>VM4000026631</b>	5/3	CP / CP / CP	Lower tube 4 / <b>Trubka 4 dolní</b> / Tubo 4 inferiore
<b>VM5000026631</b>	5/3	CP / CP / CP	Lateral tube 4 / <b>Trubka 4 postranní</b> / Tubo 4 laterale

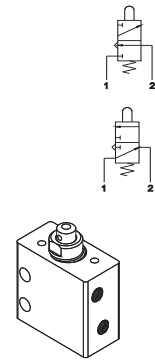
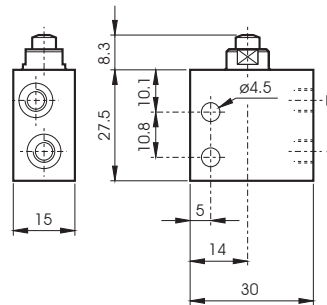
**BUTTON / TLAČÍTKO / PULSANTE**  
Lower M5 / **M5 dolní / M5 inferiore**

**VM4002013101** 3/2 NC / NZ / NC  
**VM4001013101** 3/2 NO / NO / NA



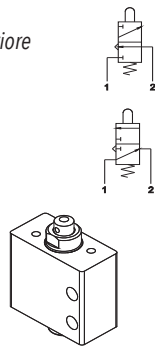
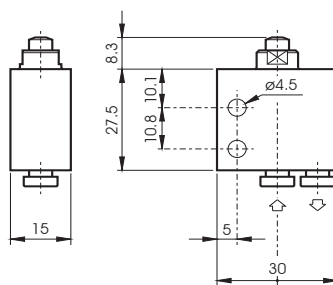
**BUTTON / TLAČÍTKO / PULSANTE**  
Lateral M5 / **M5 postranní / M5 laterale**

**VM5002013101** 3/2 NC / NZ / NC  
**VM5001013101** 3/2 NO / NO / NA



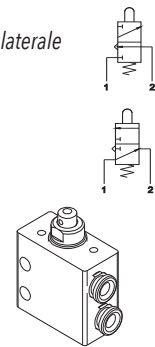
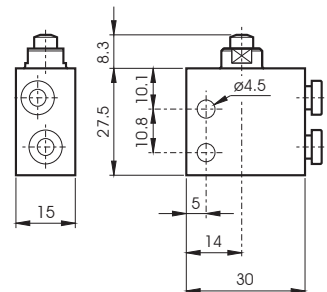
**BUTTON / TLAČÍTKO / PULSANTE**  
Lower tube 4 / **Trubka 4 dolní / Tubo 4 inferiore**

**VM4002013601** 3/2 NC / NZ / NC  
**VM4001013601** 3/2 NO / NO / NA



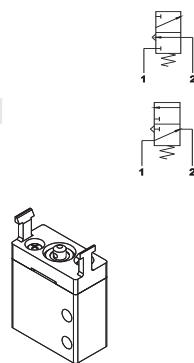
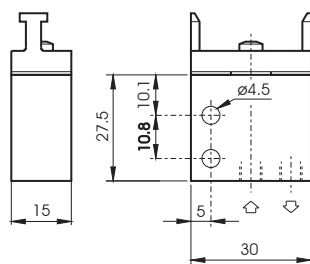
**BUTTON / TLAČÍTKO / PULSANTE**  
Lateral tube 4 / **Trubka 4 postranní / Tubo 4 laterale**

**VM5002013601** 3/2 NC / NZ / NC  
**VM5001013601** 3/2 NO / NO / NA



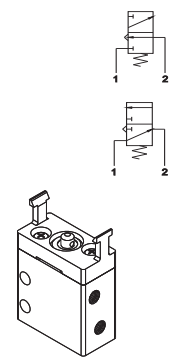
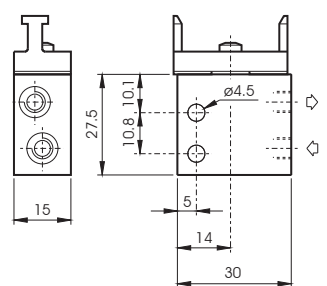
**ADAPTOR / ADAPTÉR / ADATTATORE**  
Lower M5 / **M5 dolní / M5 inferiore**

**VM4002023101** 3/2 NC / NZ / NC  
**VM4001023101** 3/2 NO / NO / NA



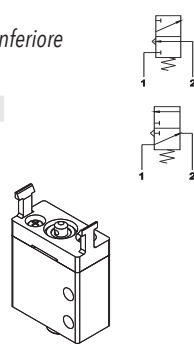
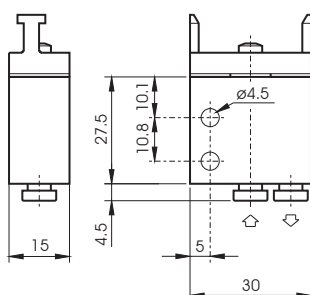
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Lateral M5 / **M5 postranní / M5 laterale**

**VM5002023101** 3/2 NC / NZ / NC  
**VM5001023101** 3/2 NO / NO / NA



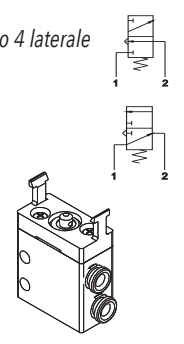
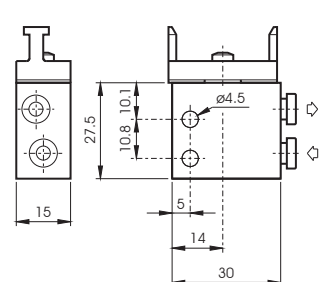
**ADAPTOR / ADAPTÉR / ADATTATORE**  
Lower tube 4 / **Trubka 4 dolní / Tubo 4 inferiore**

**VM4002023601** 3/2 NC / NZ / NC  
**VM4001023601** 3/2 NO / NO / NA



**ADAPTOR / ADAPTÉR / ADATTATORE**  
Lateral tube 4 / **Trubka 4 postranní / Tubo 4 laterale**

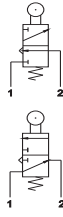
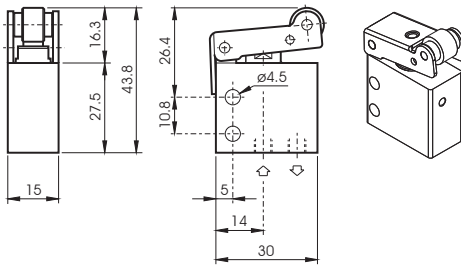
**VM5002023601** 3/2 NC / NZ / NC  
**VM5001023601** 3/2 NO / NO / NA





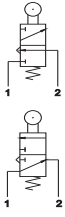
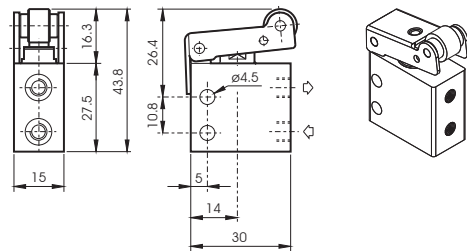
ROLLER LEVER / **ROLNA** / LEVA RULLO  
Lower M5 / **M5 dolní** / M5 inferiore

**VM4002033101** 3/2 NC / NZ / NC  
**VM4001033101** 3/2 NO / NO / NA



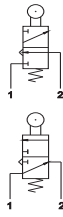
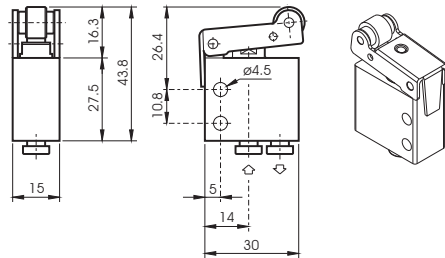
ROLLER LEVER / **ROLNA** / LEVA RULLO  
Lateral M5 / **M5 postranní** / M5 laterale

**VM5002033101** 3/2 NC / NZ / NC  
**VM5001033101** 3/2 NO / NO / NA



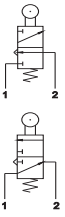
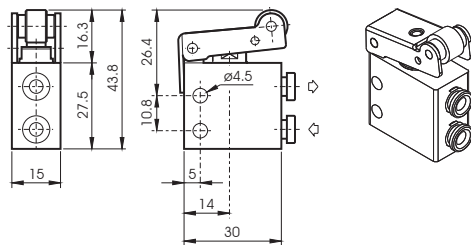
ROLLER LEVER / **ROLNA** / LEVA RULLO  
Lower tube 4 / **Trubka 4 dolní** / Tubo 4 inferiore

**VM4002033601** 3/2 NC / NZ / NC  
**VM4001033601** 3/2 NO / NO / NA



ROLLER LEVER / **ROLNA** / LEVA RULLO  
Lateral tube 4 / **Trubka 4 postranní** / Tubo 4 laterale

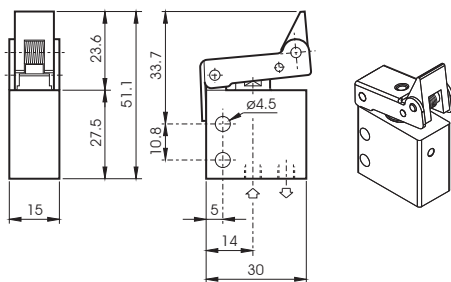
**VM5002033601** 3/2 NC / NZ / NC  
**VM5001033601** 3/2 NO / NO / NA



UNI-DIRECTIONAL LEVER / **JEDNOSMĚRNÁ PÁKA** /  
LEVA UNIDIREZIONALE

Lower M5 / **M5 dolní** / M5 inferiore

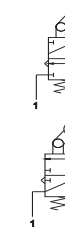
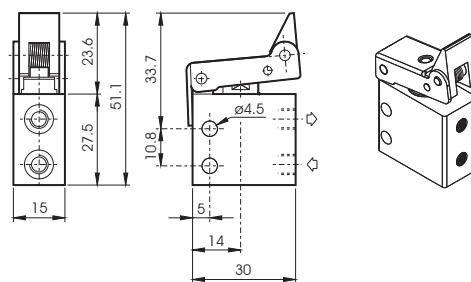
**VM4002043101** 3/2 NC / NZ / NC  
**VM4001043101** 3/2 NO / NO / NA



UNI-DIRECTIONAL LEVER / **JEDNOSMĚRNÁ PÁKA** /  
LEVA UNIDIREZIONALE

Lateral M5 / **M5 postranní** / M5 laterale

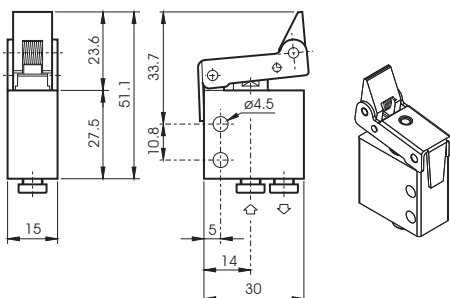
**VM5002043101** 3/2 NC / NZ / NC  
**VM5001043101** 3/2 NO / NO / NA



UNI-DIRECTIONAL LEVER / **JEDNOSMĚRNÁ PÁKA** /  
LEVA UNIDIREZIONALE

Lower tube 4 / **Trubka 4 dolní** / Tubo 4 inferiore

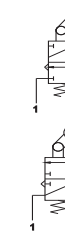
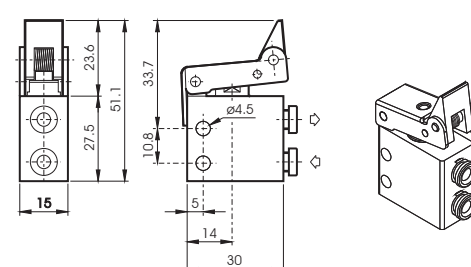
**VM4002043601** 3/2 NC / NZ / NC  
**VM4001043601** 3/2 NO / NO / NA



UNI-DIRECTIONAL LEVER / **JEDNOSMĚRNÁ PÁKA** /  
LEVA UNIDIREZIONALE

Lateral tube 4 / **Trubka 4 postranní** / Tubo 4 laterale

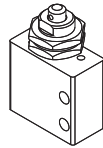
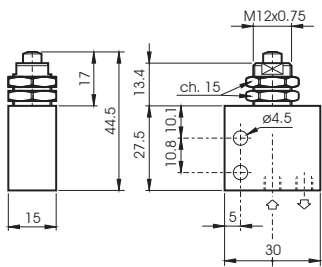
**VM5002043601** 3/2 NC / NZ / NC  
**VM5001043601** 3/2 NO / NO / NA



PANEL MOUNT TAPPET / **MONTÁŽ DO PANELU**  
PULSANTE PASSA PARETE

Lower M5 / **M5 dolní** / M5 inferiore

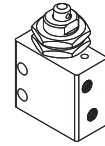
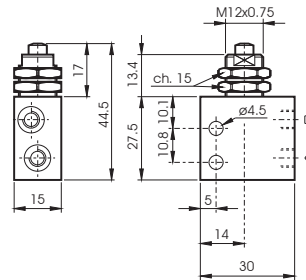
**VM4002053101** 3/2 NC / NZ / NC  
**VM4001053101** 3/2 NO / NO / NA



PANEL MOUNT TAPPET / **MONTÁŽ DO PANELU**  
PULSANTE PASSA PARETE

Lateral M5 / **M5 postranní** / M5 laterale

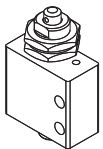
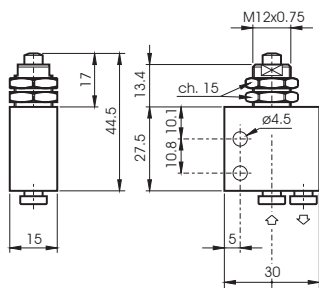
**VM5002053101** 3/2 NC / NZ / NC  
**VM5001053101** 3/2 NO / NO / NA



PANEL MOUNT TAPPET / **MONTÁŽ DO PANELU**  
PULSANTE PASSA PARETE

Lower tube 4 / **Trubka 4 dolní** / Tubo 4 inferiore

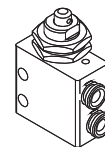
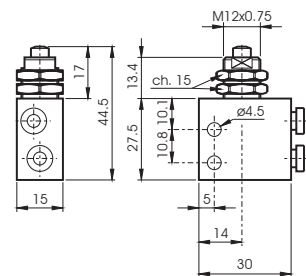
**VM4002053601** 3/2 NC / NZ / NC  
**VM4001053601** 3/2 NO / NO / NA



PANEL MOUNT TAPPET / **MONTÁŽ DO PANELU**  
PULSANTE PASSA PARETE

Lateral tube 4 / **Trubka 4 postranní** / Tubo 4 laterale

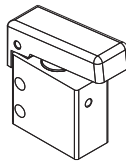
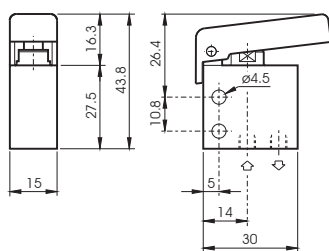
**VM5002053601** 3/2 NC / NZ / NC  
**VM5001053601** 3/2 NO / NO / NA



PUSH BUTTON / **TLAČÍTKO** / TASTO

Lower tube 4 / **Trubka 4 dolní** / Tubo 4 inferiore

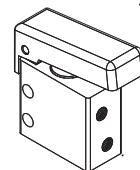
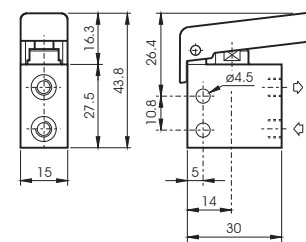
**VM4002063101** 3/2 NC / NZ / NC  
**VM4001063101** 3/2 NO / NO / NA



PUSH BUTTON / **TLAČÍTKO** / TASTO

Lateral M5 / **M5 postranní** / M5 laterale

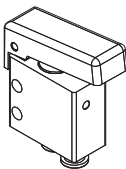
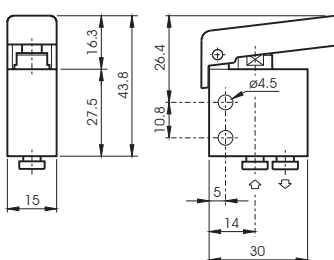
**VM5002063101** 3/2 NC / NZ / NC  
**VM5001063101** 3/2 NO / NO / NA



PUSH BUTTON / **TLAČÍTKO** / TASTO

Lower M5 / **M5 dolní** / M5 inferiore

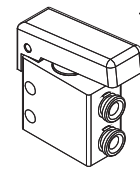
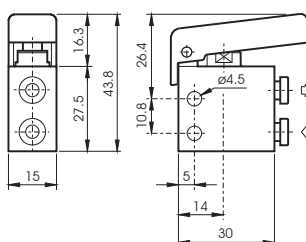
**VM4002063601** 3/2 NC / NZ / NC  
**VM4001063601** 3/2 NO / NO / NA



PUSH BUTTON / **TLAČÍTKO** / TASTO

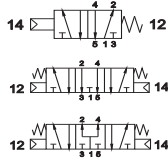
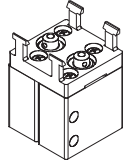
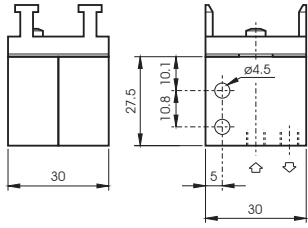
Lateral tube 4 / **Trubka 4 postranní** / Tubo 4 laterale

**VM5002063601** 3/2 NC / NZ / NC  
**VM5001063601** 3/2 NO / NO / NA



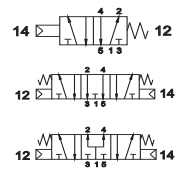
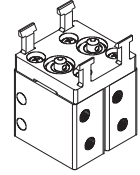
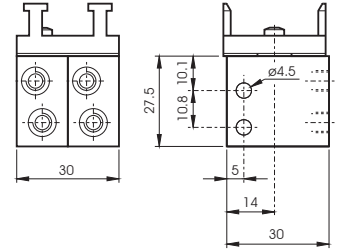
ADAPTOR / **ADAPTÉR** / ADATTATORE  
Lower M5 / **M5 dolní** / M5 inferiore

- VM4000025101 5/2
- VM4000026121 5/3 CO / **CO** / CA
- VM4000026131 5/3 CP / **CP** / CP



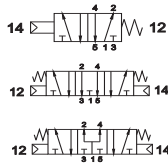
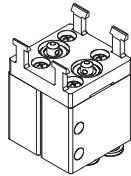
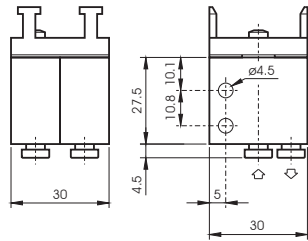
ADAPTOR / **ADAPTÉR** / ADATTATORE  
Lateral M5 / **M5 postranní** / M5 laterale

- VM5000025101 5/2
- VM5000026121 5/3 CO / **CO** / CA
- VM5000026131 5/3 CP / **CP** / CP



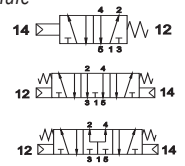
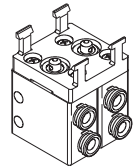
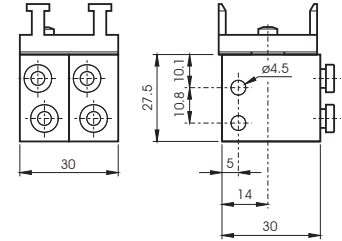
ADAPTOR / **ADAPTÉR** / ADATTATORE  
Lower tube 4 / **Trubka 4 dolní** / Tubo 4 inferiore

- VM4000025601 5/2
- VM4000026621 5/3 CO / **CO** / CA
- VM4000026631 5/3 CP / **CP** / CP

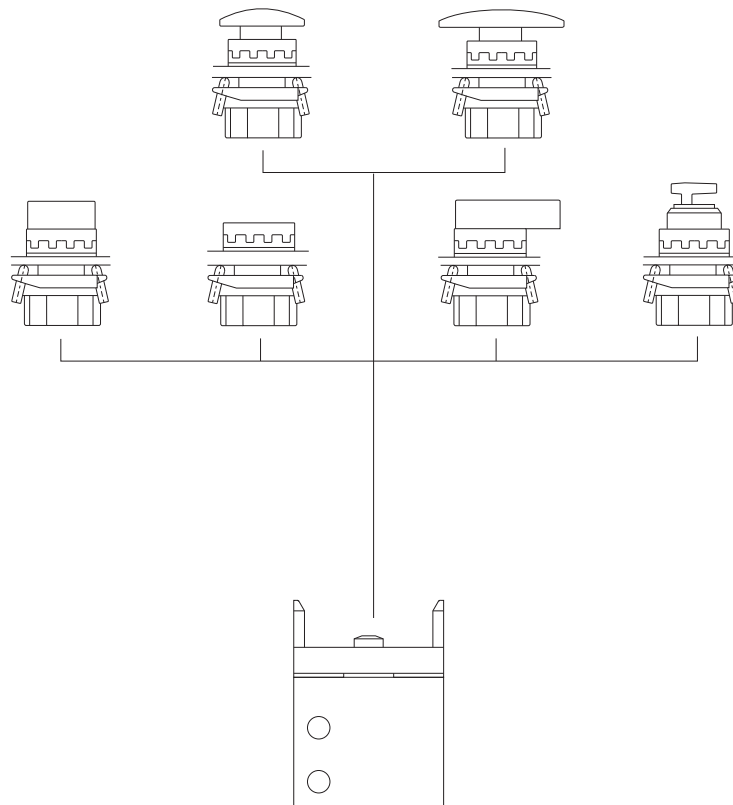


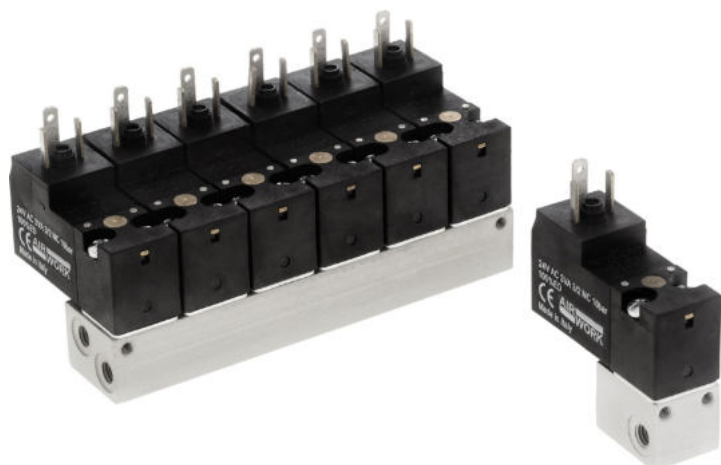
ADAPTOR / **ADAPTÉR** / ADATTATORE  
Lateral tube 4 / **Trubka 4 postranní** / Tubo 4 laterale

- VM5000025601 5/2
- VM5000026621 5/3 CO / **CO** / CA
- VM5000026631 5/3 CP / **CP** / CP



ACTUATORS FOR PANEL MOUNTING / **Tlačítka pro montáž do panelů** / ATTUATORI DA PANNELLO  
See page 2.104 / **Viz strana 2.104** / Vedi pagina 2.104





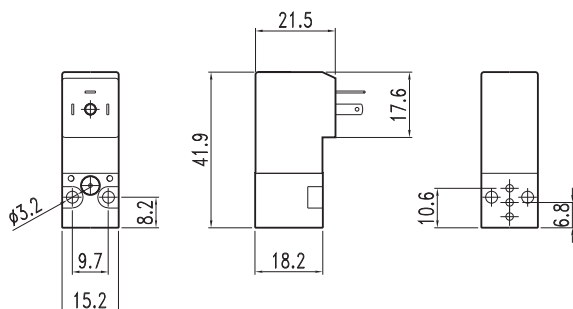
The solenoid valves directly controlled are suitable for assembling on multiple or single bases; they have a low consumption of energy and have a small monostable control for an eventual manual intervention.

**Přímo ovládané solenoidové ventily jsou vhodné pro montáž na více nebo na jedné základně; mají nízkou spotřebu energie. Ventily monostabilní pomocným ručním ovládním.**

*Gli elettropiloti a comando diretto sono particolarmente indicati per montaggio su basi multiple oppure su basi singole, permettono un basso assorbimento di energia ed hanno un piccolo comando monostabile per intervento manuale.*

### TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

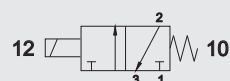
Type / Typ / Tipo	3/2 NC
Max operating pressure / Maximální pracovní tlak / Pressione massima di esercizio	10 bar
Max working temperature / Maximální teplota použití / Temperatura max di esercizio	-0°C / + 50°C
Flow rate / Průtok / Portata	30 NI/min
Nominal orifice / Jmenovitý průměr / Diametro nominale	1,1mm
Life time / Životnost/ Durata cicli	100 millions cycles / 100 milionů cyklů / 100 milioni di cicli
Tension tolerance / Tolerance napětí / Tolleranza di tensione	-10% - + 15%
Response time / Doba odezvy / Tempo di risposta	10ms
Duty cycle / Čas zapnutí / Inserimento	ED 100%
Rated power consumption / Jmenovitá spotřeba energie / Consumo a regime	DC: 2W - AC: 1.3VA
Protection / Ochrana / Protezione	IP 51

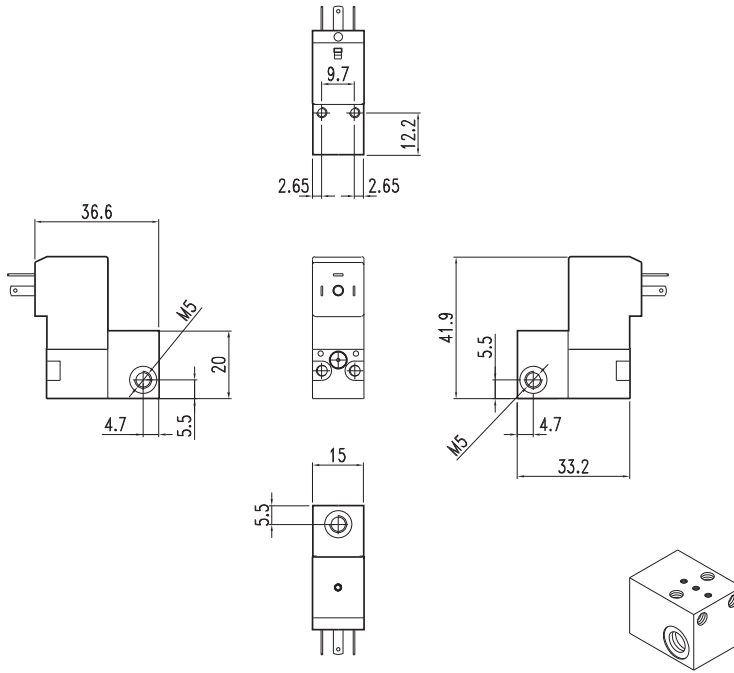


3/2 NC  
 3/2 NC  
 3/2 NC

**CODE**

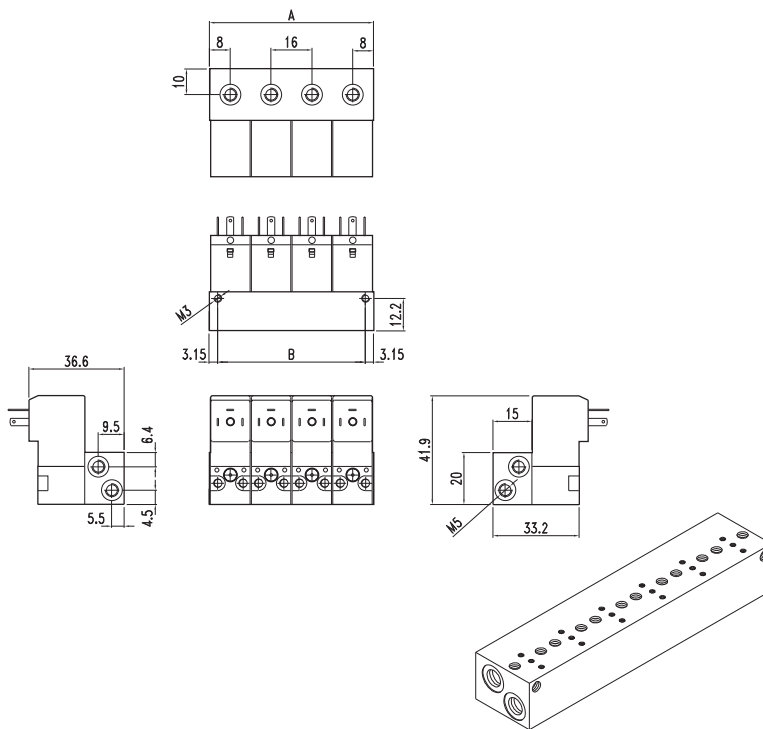
EP3112	12V DC
EP3122	24V DC
EP3132	24V AC
EP3142	110V AC
EP3152	220V AC





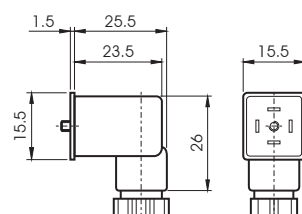
**SINGLE MANIFOLD**  
**SAMOSTATNÁ DESKA**  
**BASE SINGOLA**

**CODE**  
**SB402101**



**MANIFOLD**  
**ZÁKLADOVÁ DESKA**  
**BASE MULTIPLA**

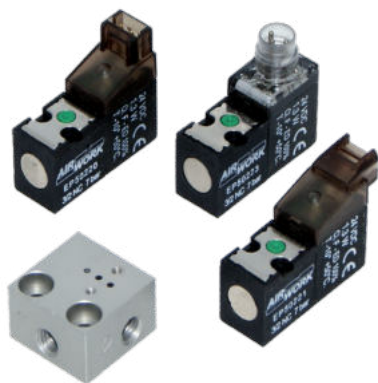
CODE	POS.	A	B
SB402102	2	32	25.7
SB402103	3	48	41.7
SB402104	4	64	57.7
SB402105	5	80	73.7
SB402106	6	96	89.7
SB402107	8	112	105.7
SB402108	8	128	121.7
SB402109	9	144	137.7
SB402110	10	160	153.7



**CONNECTORS**  
**KONEKTORY**  
**CONNETTORI**

CODE	DES.
VX0020	STANDARD
VX0021	LED 24V
VX0022	LED 110V
VX0023	LED 220V
VX0024	LED VDR 24V
VX0025	LED VDR 110V





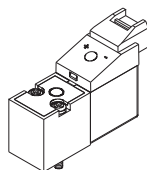
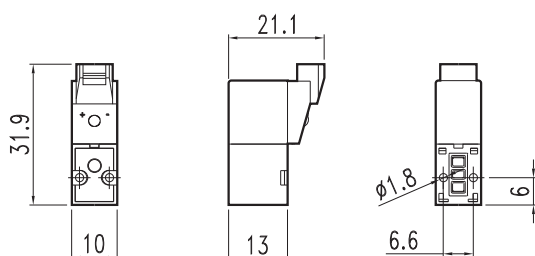
The solenoid valves directly controlled are suitable for assembling on multiple or single bases; they have a low consumption of energy and have a small monostable control for an eventual manual intervention.

**Přímo ovládané solenoidové ventily jsou vhodné pro montáž na základovou desku; mají nízkou spotřebu energie, jsou monostabilní, a mají pomocné ruční ovládání.**

*Gli elettropiloti a comando diretto sono particolarmente indicati per montaggio su basi multiple oppure su basi singole, permettono un basso assorbimento di energia ed hanno un piccolo comando monostabile per intervento manuale.*

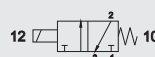
### TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

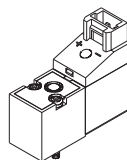
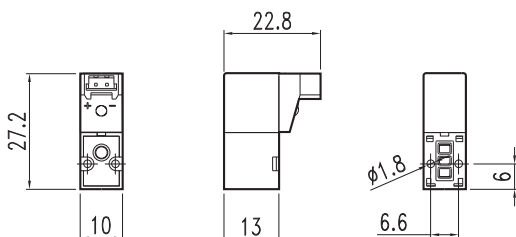
Type / <b>Type</b> / Tipo	3/2 NC
Max operating pressure / <b>Maximální pracovní tlak</b> / Pressione massima di esercizio	0 - 7 bar
Max working temperature / <b>Maximální teplota použití</b> / Temperatura max di esercizio	-10°C / + 50°C
Flow rate to 6 bar and $\Delta p$ 1 bar / <b>Průtok à 6 bar et <math>\Delta p</math> 1 bar</b> / Portata a 6 bar e $\Delta p$ 1 bar	15 NI/min
Nominal orifice / <b>Jmenovitý průměr</b> / Diametro nominale	0,8 mm
Life time / <b>Životnost</b> / Durata cicli	>50 millions cycles / <b>&gt; 50 milionů cyklů</b> / >50 milioni di cicli
Tension tolerance / <b>Tolerance napětí</b> / Tolleranza di tensione	-10% - + 10%
Response time / <b>Doba odezvy</b> / Tempo di risposta	6ms (ON) - 8ms (OFF)
Duty cycle / <b>Čas zapnutí</b> / Inserimento	ED 100%
Voltage / <b>Napětí</b> / Voltaggio	12-24 VDC
Rated power consumption / <b>Jmenovitá spotřeba energie</b> / Consumo a regime	1.3 W
Protection / <b>Ochrana</b> / Protezione	IP 51



3/2 NC LOWER CONNECTOR  
**3/2 NC NÍZKÝ KONEKTOR**  
 3/2 NC CONNETTORE INFERIORE

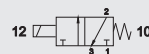
CODE  
**EP50221** 24V DC





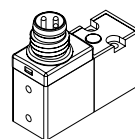
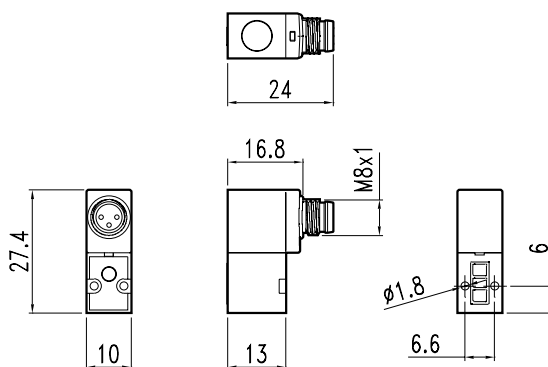
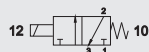
3/2 NC LATERAL CONNECTOR  
**3/2 NZ LATERÁLNÍ KONEKTOR**  
 3/2 NC CONNETTORE LATERALE

CODE  
**EP50220** 24V DC



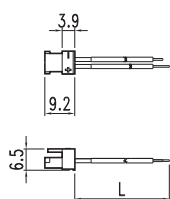
3/2 NC WITH M8 CONNECTOR  
**3/2 NC S KONEKTOREM M8**  
 3/2 NC CON CONNETTORE M8

CODE  
**EP50223** 24V DC

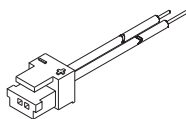


CONNECTORS  
**KONEKTORY**  
 CONNETTORI

CODE  
**VX0048** 300mm  
**VX0049** 500mm  
**VX0050** 1000mm

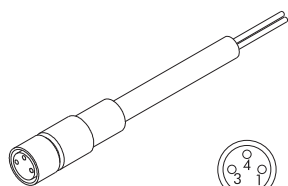


L = 300 mm  
 L = 500 mm  
 L = 1000 mm

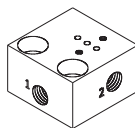
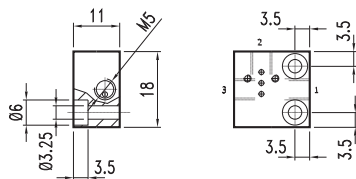


CONNECTOR M8 WITH CABLE 2,5 mt  
**KONEKTOR M8 S KABELEM 2,5 mt**  
 CONNETTORE M8 CON CAVO 2,5 mt

CODE  
**AR4301** 3 WIRES / 3 DRÁTY / 3 FILI

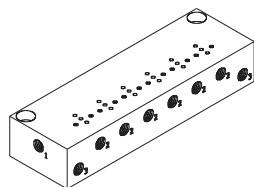
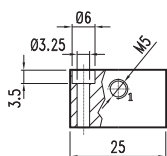
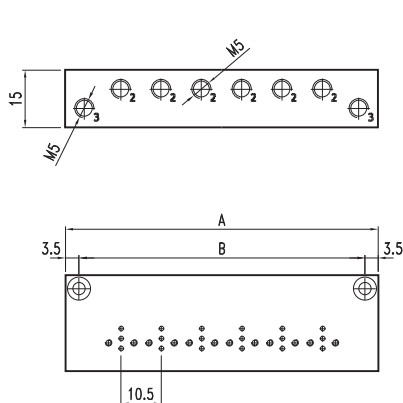


4= black / **Černá / nero**  
 1= brown / **hnědý / hnědýe**  
 3= blue / **modrý / azzurro**



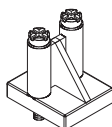
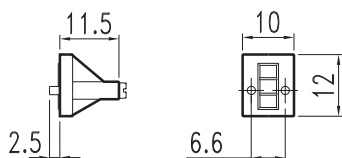
SINGLE MANIFOLD  
**SAMOSTATNÁ ZÁKLADOVÁ DESKA**  
**BASE SINGOLA**

CODE  
**SB4010101**



MANIFOLD  
**ZÁKLADOVÁ DESKA**  
**BASE MULTIPLA**

CODE	POS.	A	B
SB4010102	2	39.5	32.5
SB4010103	3	50	43
SB4010104	4	60.5	53.5
SB4010105	5	71	64
SB4010106	6	81.5	74.5
SB4010107	7	92	85
SB4010108	8	102.5	95.5
SB4010109	9	113	106
SB4010110	10	123.5	116.5



BLANKING PLATE  
**ZÁSLEPNÁ DESKA**  
**PIASTRINA DI CHIUSURA**

CODE  
**SB4010114**



The direct control solenoid valves are particularly indicated for the assembling in any position thanks to their small dimensions. They are available in sizes M5, 1/8 and 1/4 in the functions 3/2 NC (norm.close) o NO, (norm. open).

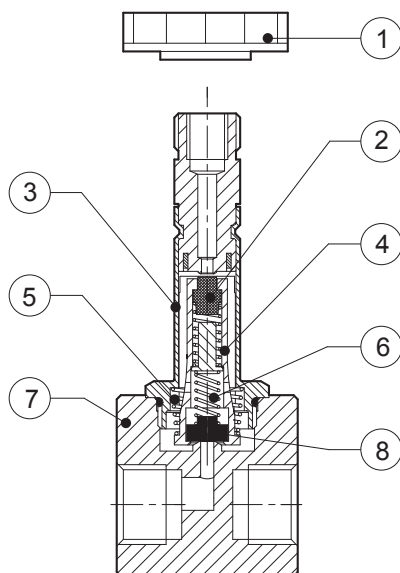
**Elektromagnetické ventily s přímým ovládním jsou zvláště vhodné pro montáž v jakékoli poloze díky svým malým rozměrům. Jsou k dispozici ve velikostech M5, 1/8 a 1/4 ve funkcích 3/2 NC (norm.zavřeno) o NO, (norm.otevřeno).**

*Gli elettropiloti a comando diretto sono particolarmente indicati per montaggio in qualsiasi posizione grazie alle dimensioni molto contenute. Sono disponibili nelle taglie M5, 1/8 e 1/4 nelle funzioni 3/2 NC (norm.chiuso) o NA (norm.aperto).*

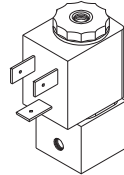
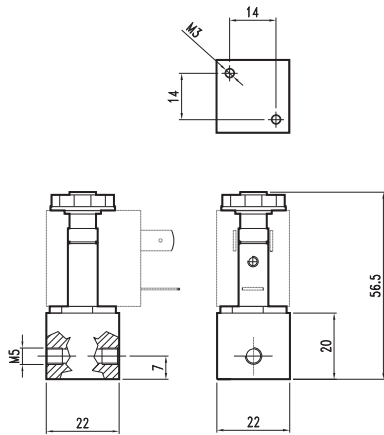
### TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

Fluid / Tekutina / Fluido	Lubricated or non lubricated air / <b>Mazaný nebo nemazaný vzduch</b> / Aria con o senza lubrificazione
Type / Typ / Tipo	3/2 NC NA / <b>NZ NO</b> / NC NA
Max operating pressure / Maximální pracovní tlak / Pressione massima di esercizio	10 bar
Max working temperature / Maximální teplota použití / Temperatura max di esercizio	-10°C / + 50°C
Flow rate to 6 bar and Δp 1 bar / Průtok à 6 bar et Δp 1 bar / Portata a 6 bar e Δp 1 bar	M5: 40 NI/min - 1/8: 50NI/min - 1/4: 50NI/min
Nominal orifice / Jmenovitý průměr / Diametro nominale	1,5mm
Tension tolerance / Tolerance napětí / Tolleranza di tensione	-10% - + 15%
Response time / Doba odezvy / Tempo di risposta	10ms
Duty cycle / Čas zapnutí / Inserimento	ED 100%
Rated power consumption / Jmenovitá spotřeba energie / Consumo a regime	DC: 3W - AC: 5VA
Coils tension / Napětí cívky / Tensione bobine	24VDC - 24VAC - 110VAC - 220VAC 50/60Hz
Protection / Protection / Protezione	IP 67

### COMPONENTS / KOMPONENTY / COMPONENTI

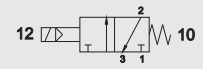


DESCRIPTION / POPISN / DESCRIZIONE	MATERIAL / MATERIÁL / MATERIALE
1 nut / MATICE / dado	plastic / <b>plast</b> / plastica
2 seal / TĚSNĚNÍ / guarnizione	NBR
3 body / tělo / corpo	brass / <b>mosaz</b> / ottone
4 mobile core / jádro / nucleo mobile	brass / <b>mosaz</b> / ottone
5 spring / pružina / molla	steel / <b>ocel</b> / acciaio
6 spring / pružina / molla	steel / <b>ocel</b> / acciaio
7 body valve / těleso ventilu / corpo valvola	aluminium / <b>aluminium</b> / alluminio
8 seal / kloub / guarnizione	NBR



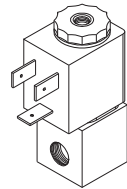
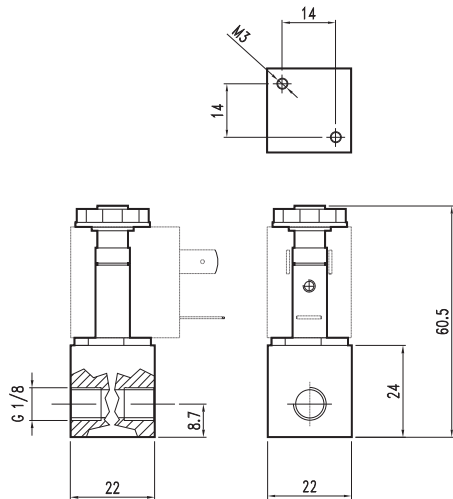
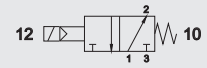
M5 3/2 NC  
**M5 3/2 NC**  
M5 3/2 NC

CODE  
**VD3122**



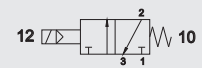
M5 3/2 NO  
**M5 3/2 NO**  
M5 3/2 NA

CODE  
**VD3121**



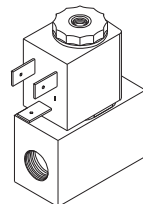
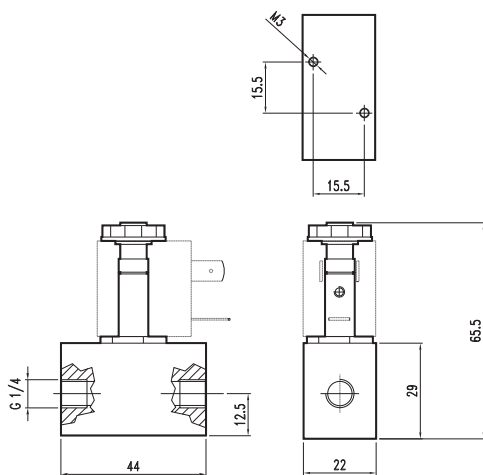
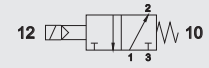
1/8 3/2 NC  
**1/8 3/2 NZ**  
1/8 3/2 NC

CODE  
**VD3222**



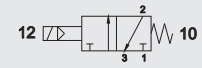
1/8 3/2 NO  
**1/8 3/2 NO**  
1/8 3/2 NA

CODE  
**VD3221**



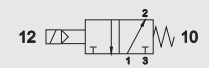
1/4 3/2 NC  
**1/4 3/2 NZ**  
1/4 3/2 NC

CODE  
**VD3322**

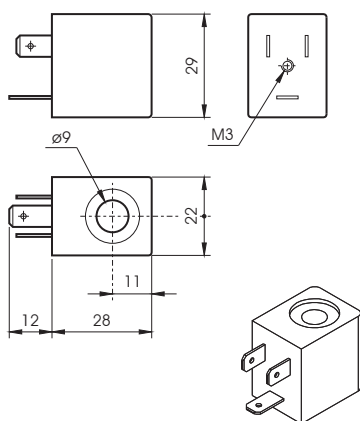


1/4 3/2 NO  
**1/4 3/2 NO**  
1/4 3/2 NA

CODE  
**VD3321**





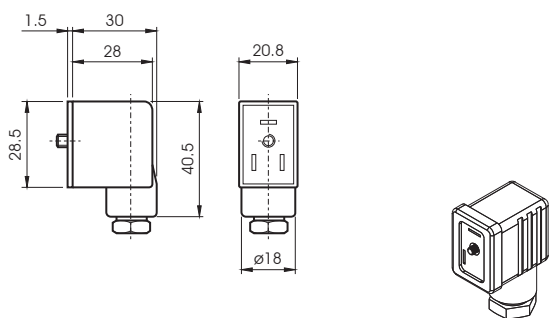


COILS  
**CÍVKY**  
**BOBINE**

CODE	Tension <b>Napětí</b> <i>Tensione</i>	POWER / <b>NAPÁJENÍ</b> / ASSORBIMENTO	
		Rated <b>odpor</b> <i>a regime</i>	Inrush <b>Proud</b> <i>di spunto</i>
BO4011012	12 VDC	3W	
BO4011024	24 VDC	3W	
BO4012024	24 VAC	5VA	7,5VA
BO4012110	110 VAC	5VA	7,5VA
BO4012220	220 VAC	5VA	7,5VA

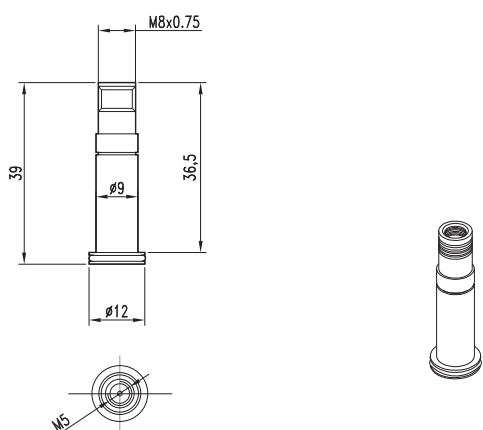
TECHNICAL SPECIFICATIONS  
**TECHNICKÁ DATA**  
**CARATTERISTICHE TECNICHE**

Tension tolerance / <b>Tolerance napětí</b> / <i>Tolleranza di tensione</i>	+10%
Protection with connector / <b>Ochrana S konektorem</b> / <i>Protezione con connettore</i>	IP65
Max working temperature / <b>Maximální teplota pou</b> / <i>Temperatura max di esercizio</i>	+ 50°C
Duty cycle / <b>Čas zapnutí</b> / <i>Inserimento</i>	ED 100%



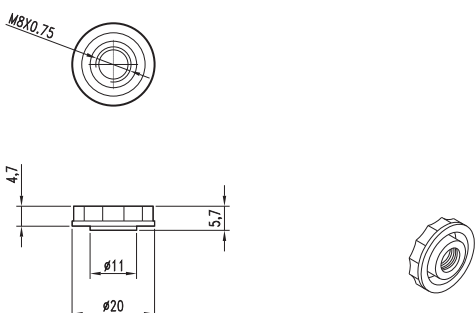
CONNECTORS  
**KONEKTORY**  
**CONNETTORI**

CODE	DES.
AR40696	STANDARD
VX0014	LED 24V
VX0015	LED 110V
VX0016	LED 220V
VX0017	LED+VDR 24V
VX0018	LED+VDR 110V
VX0019	LED+VDR 220V



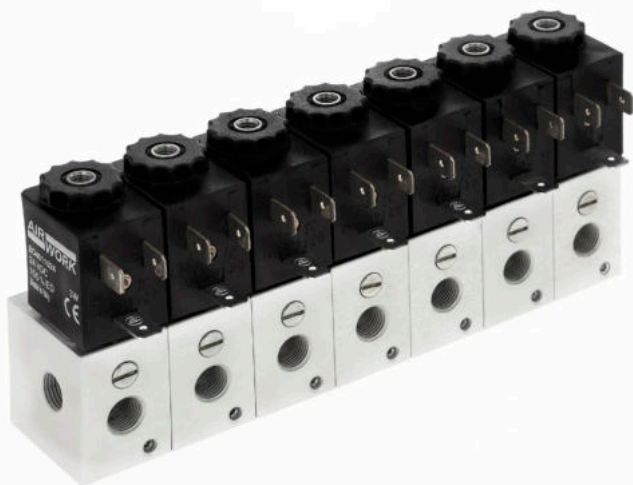
SOLENOID PILOT  
**PILOT**  
**ELETTROPILOTA**

CODE	EP43603
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NUT  
**MATICE**  
**DADO**

CODE	DA42937
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The electro valves with modular assembling system, on molded piece or on Omega bar DIN EN 50022. They grant quick reaction time and the possibility to manually act on the bi-stable screw.

They are available in the version 3/2 NC (norm.close) o NO, (norm. open) and the thread is 1/8.

**Elektroventily s modulárním montážním systémem, na lisovaném kusu nebo na Omega baru DIN EN 50022. Poskytují rychlou reakční dobu a možnost ručního zásahu na bi-stabilní šroub.**

**Jsou k dispozici ve verzi 3/2 NC (norm.close) o NO, (norm. Open) a závit je 1/8.**

*Le elettrovalvole a comando diretto modulari, consentono il montaggio universale delle valvole, su pezzo fisso o su barra Omega DIN EN 50022.*

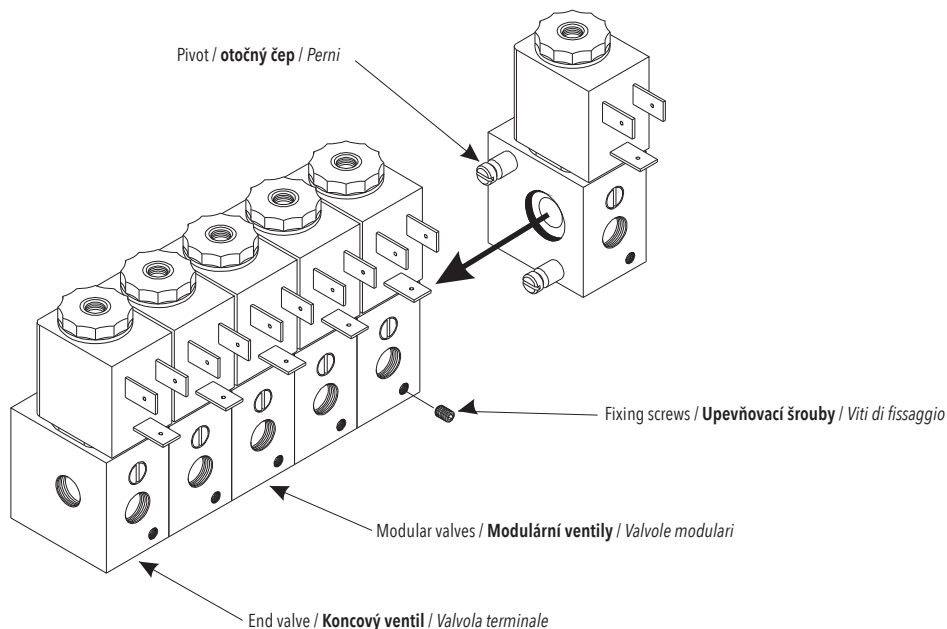
*Inoltre garantiscono tempi di risposta molto veloci e la possibilità di intervenire manualmente sulla vite bistabile.*

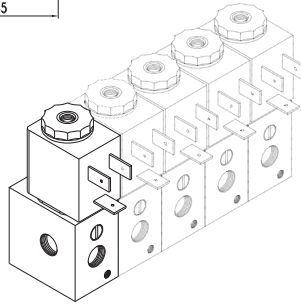
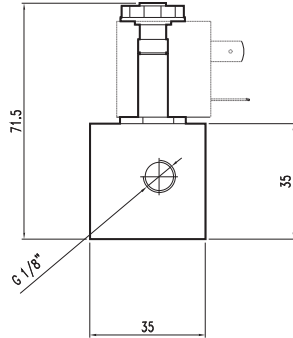
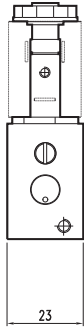
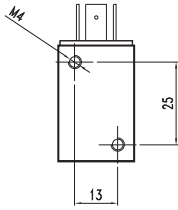
*Sono disponibili nella versione 3/2 NC (norm.chiuso) o NA, (norm.aperto) ed hanno il filetto da 1/8.*

### TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

Fluid / Tekutina / Fluido	Lubricated or non lubricated air / Mazaný nebo nemazaný vzduch / Aria con o senza lubrificazione
Type / Typ / Tipo	3/2
Max operating pressure / Maximální pracovní tlak / Pressione massima di esercizio	10 bar
Max working temperature / Maximální teplota použití / Temperatura max di esercizio	-10°C / + 50°C
Flow rate to 6 bar and $\Delta p$ 1 bar / Průtok à 6 bar et $\Delta p$ 1 bar / Portata a 6 bar e $\Delta p$ 1 bar	50 NI/min
Nominal orifice / Jmenovitý průměr / Diametro nominale	1,5 mm
Tension tolerance / Tolerance napětí / Tolleranza di tensione	-10% - +15%
Response time / Doba odezvy / Tempo di risposta	10 ms
Duty cycle / Čas zapnutí / Inserimento	ED 100%
Rated power consumption / Jmenovitá spotřeba energie / Consumo a regime	DC: 3W - AC: 5VA
Coils tension / Napětí cívky / Tensione bobine	24 VDC - 24 VAC - 110 VAC - 220 VAC 50/60Hz
Protection / Ochrana / Protezione	IP 67

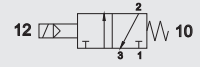
### ASSEMBLY SYSTEM / MONTÁŽNÍ SYSTÉM / SISTEMA DI MONTAGGIO





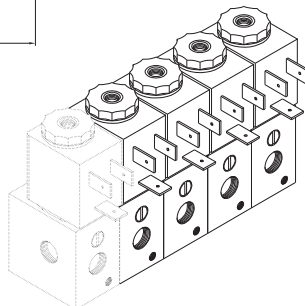
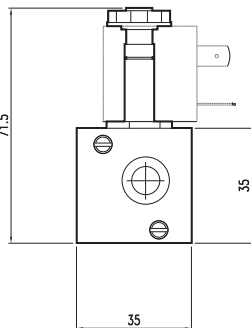
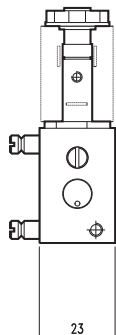
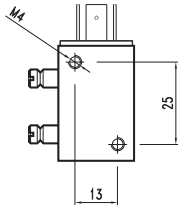
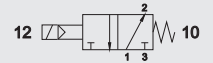
END VALVE 3/2 NC  
**KONCOVKA VENTILU 3/2 NC**  
 VALVOLA TERMINALE 3/2 NC

CODE  
 VD32121



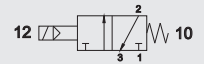
END VALVE 3/2 NO  
**KONCOVÝ VENTIL 3/2 NO**  
 VALVOLA TERMINALE 3/2 NA

CODE  
 VD32111



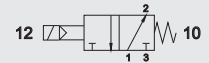
MODULAR VALVE 3/2 NC  
**MODULÁRNÍ VENTIL 3/2 NC**  
 VALVOLA MODULARE 3/2 NC

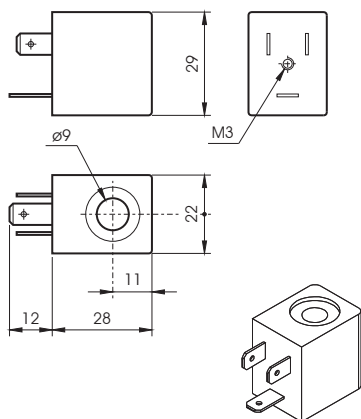
CODE  
 VD32122



MODULAR VALVE 3/2 NO  
**MODULÁRNÍ VENTIL 3/2 NO**  
 VALVOLA MODULARE 3/2 NA

CODE  
 VD32112



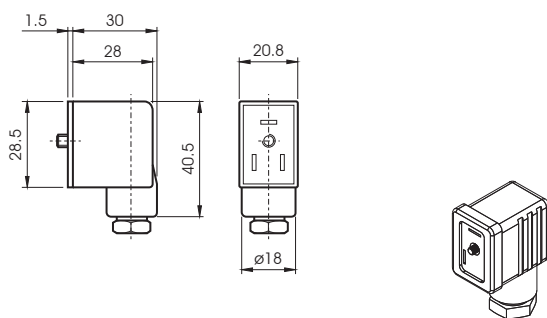


COILS  
**CÍVKY**  
 BOBINE

CODE	Tension <b>Napětí</b> Tensione	POWER / <b>NAPÁJENÍ</b> / ASSORBIMENTO	
		Rated <b>odpor</b> a regime	Inrush <b>Proud</b> di spunto
BO4011012	12 VDC	3W	
BO4011024	24 VDC	3W	
BO4012024	24 VAC	5VA	7,5VA
BO4012110	110 VAC	5VA	7,5VA
BO4012220	220 VAC	5VA	7,5VA

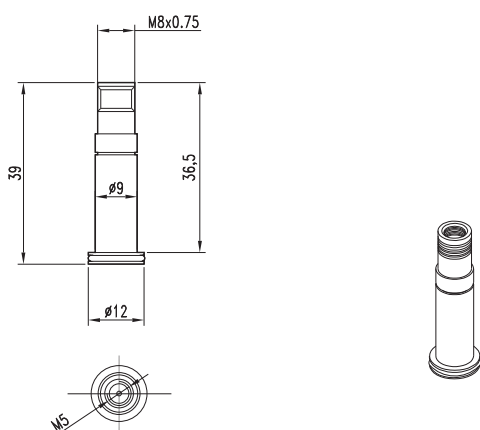
TECHNICAL SPECIFICATIONS  
**TECHNICKÁ DATA**  
 CARATTERISTICHE TECNICHE

Tension tolerance / <b>Tolerance napětí</b> / Tolleranza di tensione	+10%
Protection with connector / <b>Ochrana s konektorem</b> / Protezione con connettore	IP65
Max working temperature / <b>Maximální teplota použití</b> / Temperatura max di esercizio	+ 50°C
Duty cycle / <b>Čas zapnutí</b> / Inserimento	ED 100%



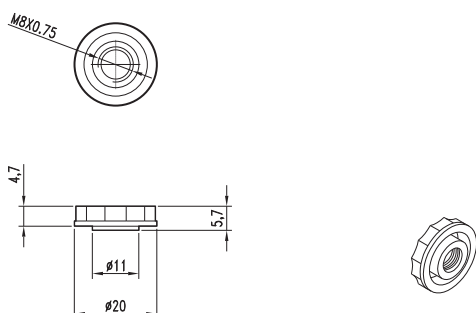
CONNECTORS  
**KONEKTORY**  
 CONNETTORI

CODE	DES.
AR40696	STANDARD
VX0014	LED 24V
VX0015	LED 110V
VX0016	LED 220V
VX0017	LED+VDR 24V
VX0018	LED+VDR 110V
VX0019	LED+VDR 220V



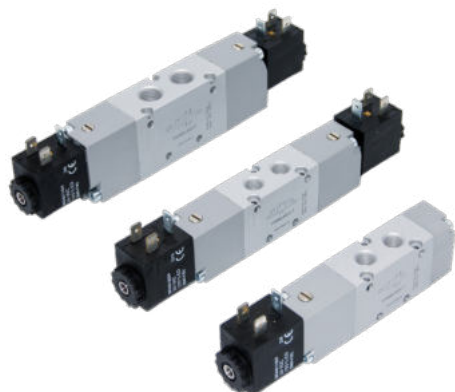
SOLENOID PILOT  
**PILOT**  
 ELETTROPILOTA

CODE  
 EP43603



NUT  
**MATICE**  
 DADO

CODE  
 DA42937



POS's solenoid valves combine big resistance, reliability and versatility of assemblage; the VY series can be assembled in several ways: In-line, on panel, on multiple bases, on manifolds and on cylinders.

Available size are 1/8, 1/4 and 1/2, the available functions are 3/2, 5/2 and 5/3.

Solenoidové ventily POS jsou ventily, které se dají kombinovat; řada VY může být sestavena několika způsoby: přímé in-line, na panelu, na více základových deskách a na rozdělovačích lištách, nebo přímo na válcích.

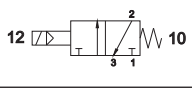
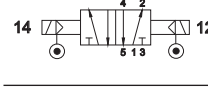
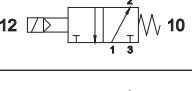
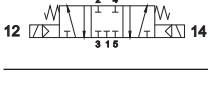
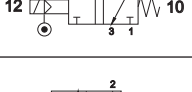

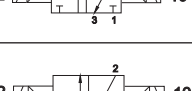
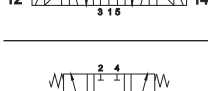
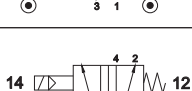
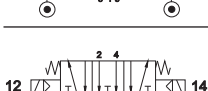
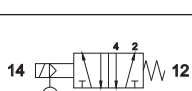
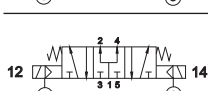
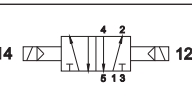


Dostupné velikosti jsou 1/8, 1/4 a 1/2, dostupné funkce jsou 3/2, 5/2 a 5/3.

La serie di elettrovalvole serie VY di POS, possiedono caratteristiche di grande robustezza, affidabilità e versatilità di montaggio, infatti la serie VY si possono montare in diversi modi: in linea, a parete, su base multipla, su collettori e persino direttamente su cilindro. Sono disponibili in tre taglie 1/8, 1/4 e 1/2 nelle funzioni 3/2, 5/2 e 5/3.

**TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI**

	1/8	1/4	1/2
Flow rate 6 bar $\Delta p$ 1bar / Průtok à 6 bar $\Delta p$ 1bar / Portata a 6 bar $\Delta p$ 1bar	550 NI/min	1100 NI/min	4600NI/min
Nominal orifice / Jmenovitý průměr / Diametro nominale	5mm	7.5mm	13mm
Response times mono-stable / Monostabilní doba odezvy / Tempi risposta monostabile	TRA 15ms / TRR 35ms	TRA 19ms / TRR 45ms	TRA 39ms / TRR 60ms
Response times bi-stable / Bistabilní doba odezvy / Tempi risposta bistabile	TRA 20ms / TRR 20ms	TRA 22ms / TRR 22ms	TRA 90ms / TRR 90 ms
Coils tension / Napětí cívky / Tensione bobine	12VDC - 24VDC - 24VAC - 110VAC - 220VAC 50/60Hz		
Pressure range / Pracovní tlak / Pressione di esercizio	2.5 ÷ 10bar		
Temperature range / Provozní teplota / Temperatura di esercizio	-10°C ÷ +60°C		
Voltage tolerance / Tolerance napětí / Tolleranza tensione	± 10%		
Power consumption / Spotřeba energie / Assorbimento	2W (DC) - 3VA (AC)		
Isulation / Isulation / Isolamento	classe F		

**FAST SELECT / RYCHLÝ VÝBĚR / SELEZIONE RAPIDA**

	monostable / monostabilní / monostabile <b>VY83ELMNC-T</b> 3/2 1/8 NC / NZ / NC <b>VY43ELMNC-T</b> 3/2 1/4 NC / NZ / NC <b>VY23ELMNC-T</b> 3/2 1/2 NC / NZ / NC		separate air supply / samostatný přívod vzduchu / alim. separata <b>VY85EAB00-T</b> 5/2 1/8 <b>VY45EAB00-T</b> 5/2 1/4 <b>VY25EAB00-T</b> 5/2 1/2
	monostable / monostabilní / monostabile <b>VY83ELMNA-T</b> 3/2 1/8 NO / NO / NA <b>VY43ELMNA-T</b> 3/2 1/4 NO / NO / NA <b>VY23ELMNA-T</b> 3/2 1/2 NO / NO / NA		monostable / monostabilní / monostabile <b>VY86ELMCC-T</b> 5/3 1/8 CC / CF / CC <b>VY46ELMCC-T</b> 5/3 1/4 CC / CF / CC <b>VY26ELMCC-T</b> 5/3 1/2 CC / CF / CC
	separate air supply / samostatný přívod vzduchu / alim. separata <b>VY83EAMNC-T</b> 3/2 1/8 NC / NZ / NC <b>VY43EAMNC-T</b> 3/2 1/4 NC / NZ / NC <b>VY23EAMNC-T</b> 3/2 1/2 NC / NZ / NC		monostable / monostabilní / monostabile <b>VY86ELMCA-T</b> 5/3 1/8 CO / CO / CA <b>VY46ELMCA-T</b> 5/3 1/4 CO / CO / CA <b>VY26ELMCA-T</b> 5/3 1/2 CO / CO / CA
	bistable / bistabilní / bistabile <b>VY83ELB00-T</b> 3/2 1/8 <b>VY43ELB00-T</b> 3/2 1/4 <b>VY23ELB00-T</b> 3/2 1/2		monostable / monostabilní / monostabile <b>VY86ELMCP-T</b> 5/3 1/8 CP / CP / CP <b>VY46ELMCP-T</b> 5/3 1/4 CP / CP / CP <b>VY26ELMCP-T</b> 5/3 1/2 CP / CP / CP
	separate air supply / samostatný přívod vzduchu / alim. separata <b>VY83EAB00-T</b> 3/2 1/8 <b>VY43EAB00-T</b> 3/2 1/4 <b>VY23EAB00-T</b> 3/2 1/2		separate air supply / samostatný přívod vzduchu / alim. separata <b>VY86EAMCC-T</b> 5/3 1/8 CC / CF / CC <b>VY46EAMCC-T</b> 5/3 1/4 CC / CF / CC <b>VY26EAMCC-T</b> 5/3 1/2 CC / CF / CC
	monostable / monostabilní / monostabile <b>VY85ELM00-T</b> 5/2 1/8 <b>VY45ELM00-T</b> 5/2 1/4 <b>VY25ELM00-T</b> 5/2 1/2		separate air supply / samostatný přívod vzduchu / alim. separata <b>VY86EAMCA-T</b> 5/3 1/8 CO / CO / CA <b>VY46EAMCA-T</b> 5/3 1/4 CO / CO / CA <b>VY26EAMCA-T</b> 5/3 1/2 CO / CO / CA
	separate air supply / samostatný přívod vzduchu / alim. separata <b>VY85EAM00-T</b> 5/2 1/8 <b>VY45EAM00-T</b> 5/2 1/4 <b>VY25EAM00-T</b> 5/2 1/2		separate air supply / samostatný přívod vzduchu / alim. separata <b>VY86EAMCP-T</b> 5/3 1/8 CP / CP / CP <b>VY46EAMCP-T</b> 5/3 1/4 CP / CP / CP <b>VY26EAMCP-T</b> 5/3 1/2 CP / CP / CP
	bistable / bistabilní / bistabile <b>VY85ELB00-T</b> 5/2 1/8 <b>VY45ELB00-T</b> 5/2 1/4 <b>VY25ELB00-T</b> 5/2 1/2		



**THE KEY POINTS / KLÍČOVÉ BODY / PUNTI DI FORZA**

Spool seals high quality to guarantee operation under all conditions and temperatures.

**Šoupátko má vysokou kvalitu, aby zajistilo provoz za všech podmínek a teplot.**

*Guarnizioni spola ad altissima prestazione per garantire un funzionamento perfetto in tutte le condizioni e temperatura.*

Manual operating in steel nickel-plated unlike the plastic component this one provides strength and precision even after many interventions.

**Manuální ovládání je ocelové a ne z plastu, které tak poskytuje sílu a přesnost i po mnoha uzavření.**

*L'intervento manuale in acciaio nichelato a differenza di componenti in plastica, fornisce la resistenza e precisione anche dopo molti interventi.*

Valve's body is very important and it is realized from a full bar, turned and milled on CNC machines, then painted to give more strength to it and painted to cover any possible outside imperfection.

**Tělo ventilu je velmi důležité a je realizováno z celé tyče, soustružené a frézované na CNC strojích, poté eloxováno, aby se zvýšila pevnost.**

*Il corpo valvola è molto importante ed è realizzato da una barra piena, tornito e fresato su macchine a controllo numerico, quindi anodizzato per dare più durezza alla superficie e poi verniciato*

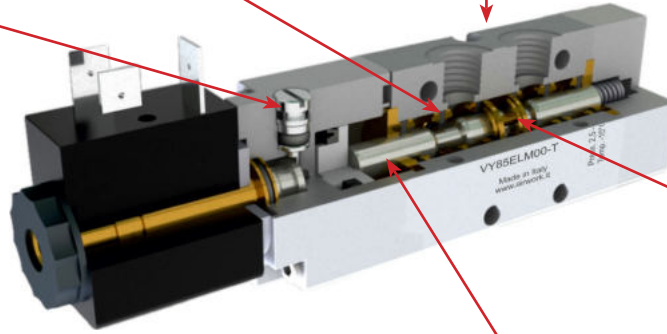
Spacer cages in brass.

Unlike the plastic, brass ones do not deform with the change of temperature, giving more stability to the seals and avoiding any possible backlash.

**Distanční klec z mosazi.**

**Na rozdíl od plastů se mosaz nedeformuje se změnou teploty a dává více stability těsnění a zabránění možné vůle.**

*Le gabbie distanziali in ottone a differenza della plastica, non si deformano con il variare della temperatura dando maggiore stabilità alle guarnizioni ed evitando ogni possibile reazione.*



**Other strengths / Jiné silné stránky / Altri punti di forza**

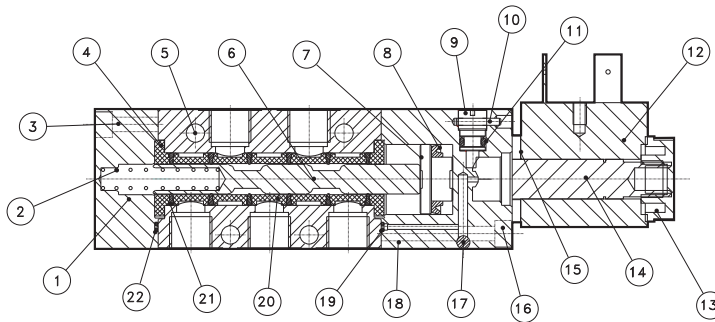
- Guaranteed for 50 million cycles / **Zaručeno za 50 milionů cyklů** / *Garantita per 50 milioni di cicli.*
- Manifolds mounting / **Montáž potrubí** / *Collettori di montaggio.*
- Wall mounting / **Montáž na zed'** / *Montaggio a parete.*
- Cylinder mounting / **Montáž válce** / *Montaggio su cilindro.*
- Strong and stylish packaging / **Silné a stylové balení** / *Imballaggio solido ed elegante.*

Machined aluminum spool precisely finished with chemical nickel treatment: the result is very low roughness and a longer duration of seals

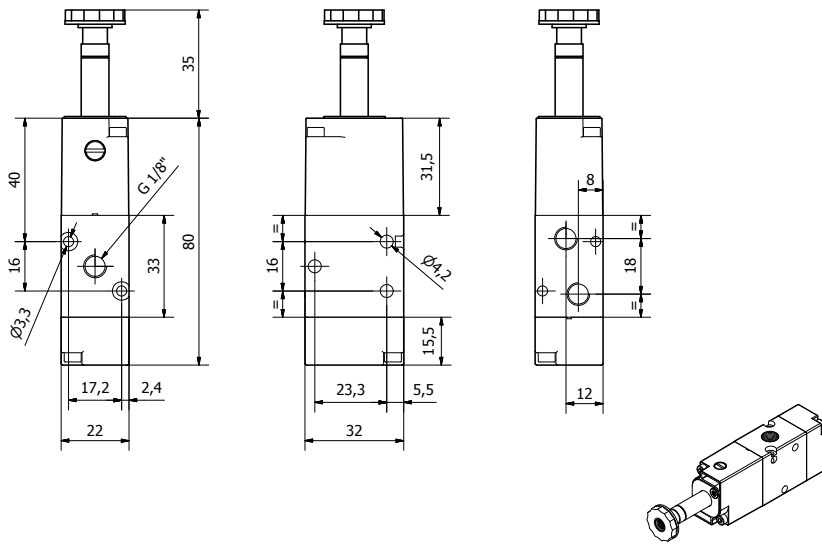
**Obráběné hliníkové šoupě přesně upravené chemickým zpracováním niklu: výsledkem je velmi nízká drsnost a delší životnost těsnění**

*Spola in alluminio lavorata con finitura di precisione con trattamento di nichelatura chimica: il risultato è una rugosità molto bassa e una maggiore durata delle guarnizioni spola.*

**COMPONENTS / KOMPONENTY / COMPONENTI**

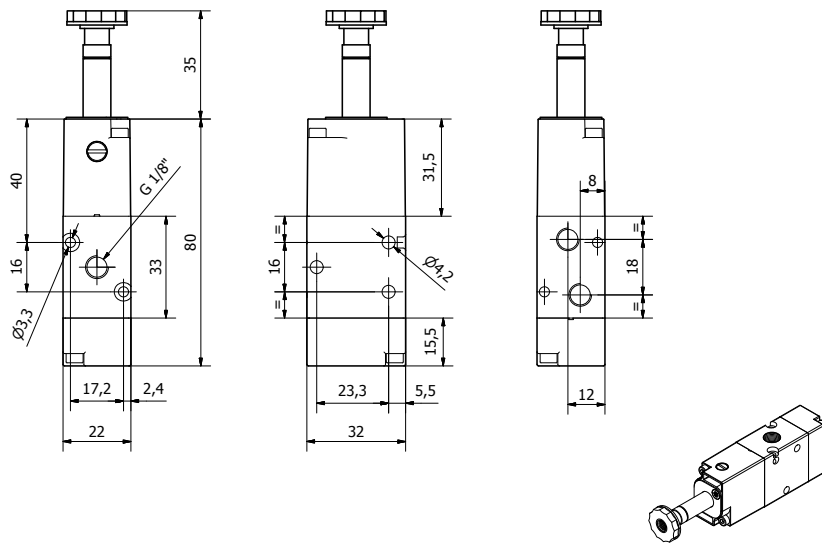
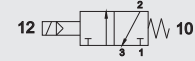


DESCRIPTION / POPIS / DESCRIZIONE	MATERIAL / MATERIÁL / MATERIALE
1 spring bottom / <b>klec</b> / <i>fondello molla</i>	plastic and aluminium / <b>plasticque et aluminium</b> / <i>plastica e alluminio</i>
2 spring / <b>pružina</b> / <i>molla</i>	C98 steel / <b>ocel C98</b> / <i>acciaio C98</i>
3 screw / <b>šroub</b> / <i>vite</i>	steel / <b>ocel</b> / <i>acciaio</i>
4 spool distance / <b>rám šoupátka</b> / <i>distanziale spola</i>	brass / <b>mosaz</b> / <i>ottone</i>
5 body valve / <b>těleso</b> / <i>corpo valvola</i>	aluminium / <b>aluminium</b> / <i>alluminio</i>
6 spool / <b>šoupátko</b> / <i>spola</i>	aluminium / <b>aluminium</b> / <i>alluminio</i>
7 piston / <b>píst</b> / <i>pistone</i>	Delring 500
8 piston seal / <b>kloub piston</b> / <i>guarnizione pistone</i>	NBR
9 manual operating / <b>ruční ovládání</b> / <i>intervento manuale</i>	brass / <b>mosaz</b> / <i>ottone</i>
10 plug / <b>záslepka</b> / <i>spina</i>	steel / <b>ocel</b> / <i>acciaio</i>
11 o-ring / <b>O-kroužek</b>	NBR
12 coil / <b>cívka</b> / <i>bobina</i>	
13 nut M8x0,75 / <b>matice M8x0,75</b> / <i>dado M8x0,75</i>	plastic / <b>plastický</b> / <i>plastica</i>
14 tube / <b>trubka</b> / <i>tubetto</i>	brass / <b>mosaz</b> / <i>ottone</i>
15 tube plaque / <b>trubka</b> / <i>piastina tubetto</i>	steel / <b>ocel</b> / <i>acciaio</i>
16 screw / <b>šroub</b> / <i>vite</i>	steel / <b>ocel</b> / <i>acciaio</i>
17 sphere / <b>koule</b> / <i>sfera</i>	steel / <b>ocel</b> / <i>acciaio</i>
18 electric bottom / <b>omocné ruční ovládání</b> / <i>fondello elettrico</i>	plastic and aluminium / <b>plasticque et aluminium</b> / <i>plastica e alluminio</i>
19 o-ring / <b>O-kroužek</b>	NBR
20 cage distance / <b>distance klece</b> / <i>distanziale gabbia</i>	brass / <b>mosaz</b> / <i>ottone</i>
21 spool seal / <b>těsnění jádra</b> / <i>guarnizioni spola</i>	NBR
22 o-ring / <b>O-kroužek</b>	NBR



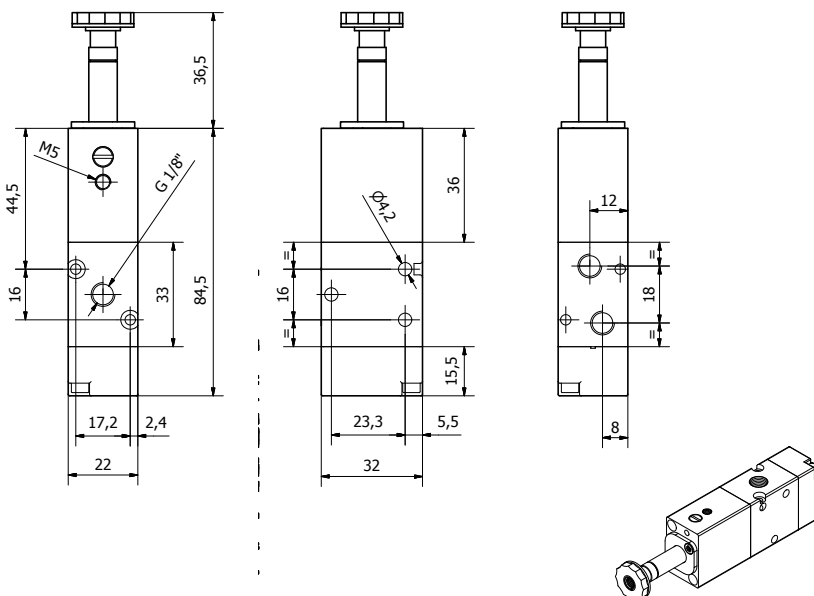
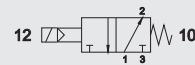
1/8 - 3/2 NC monostable  
**1/8 - 3/2 NZ monostabilní**  
 1/8 - 3/2 NC monostabile

CODE  
**VY83ELMNC-T**



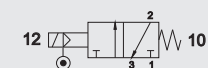
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**1/8 - 3/2 NO monostabilní**  
 1/8 - 3/2 NA monostabile

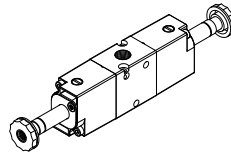
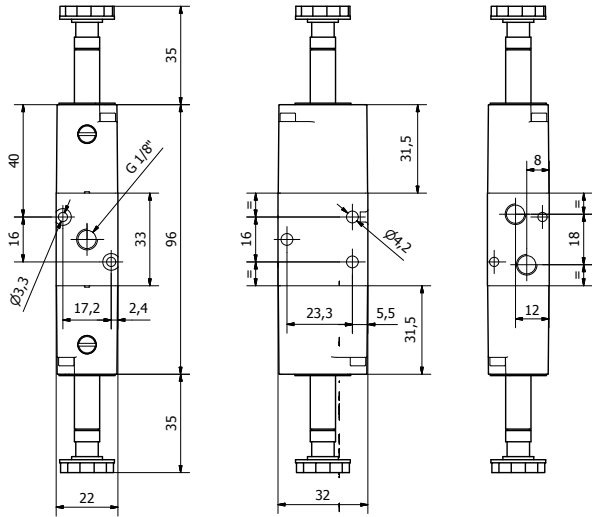
CODE  
**VY83ELMNA-T**



1/8 - 3/2 NC monostable separate air supply  
**1/8 - 3/2 NZ monostabilní samostatný přívod vzduchu**  
 1/8 - 3/2 NC monostabile alimentazione separata

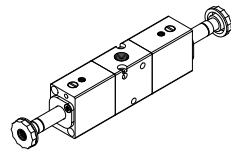
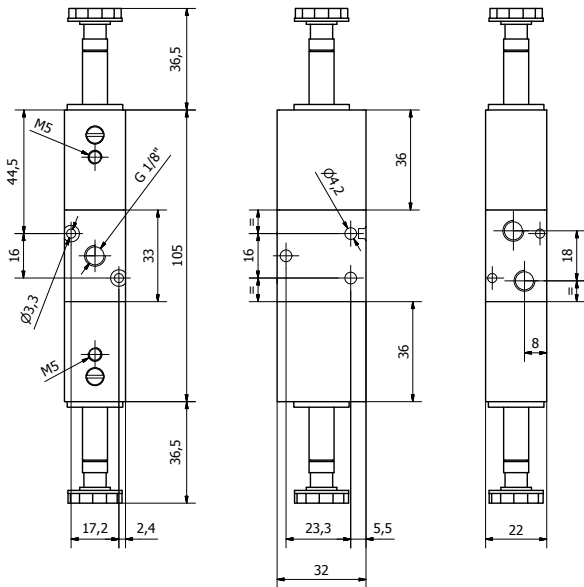
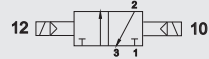
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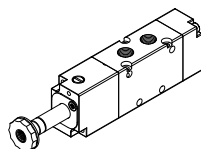
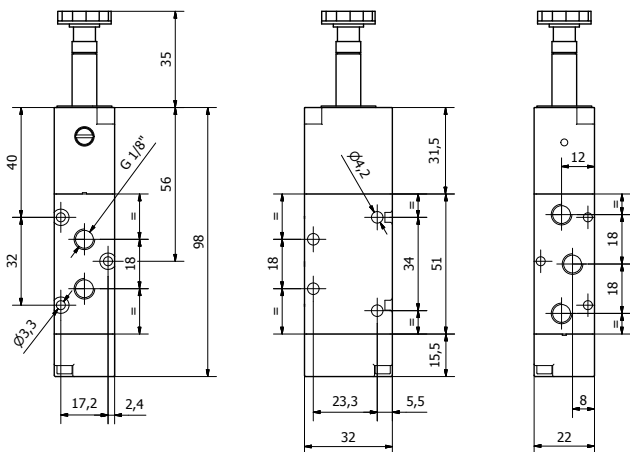
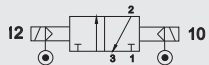
1/8 - 3/2 bistable  
**1/8 - 3/2 bistabilní**  
 1/8 - 3/2 bistabile

**CODE**  
**VY83ELB00-T**



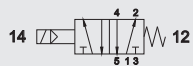
1/8 - 3/2 bistable separate air supply  
**1/8 - 3/2 bistabilní samostatný přívod vzduchu**  
 1/8 - 3/2 bistabile alimentazione separata

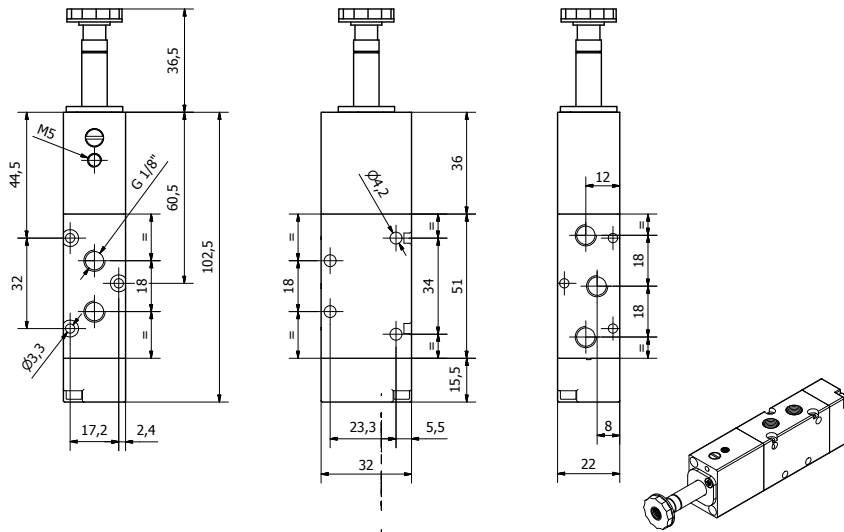
**CODE**  
**VY83EAB00-T**



1/8 - 5/2 monostable  
**1/8 - 5/2 monostabilní**  
 1/8 - 5/2 monostabile

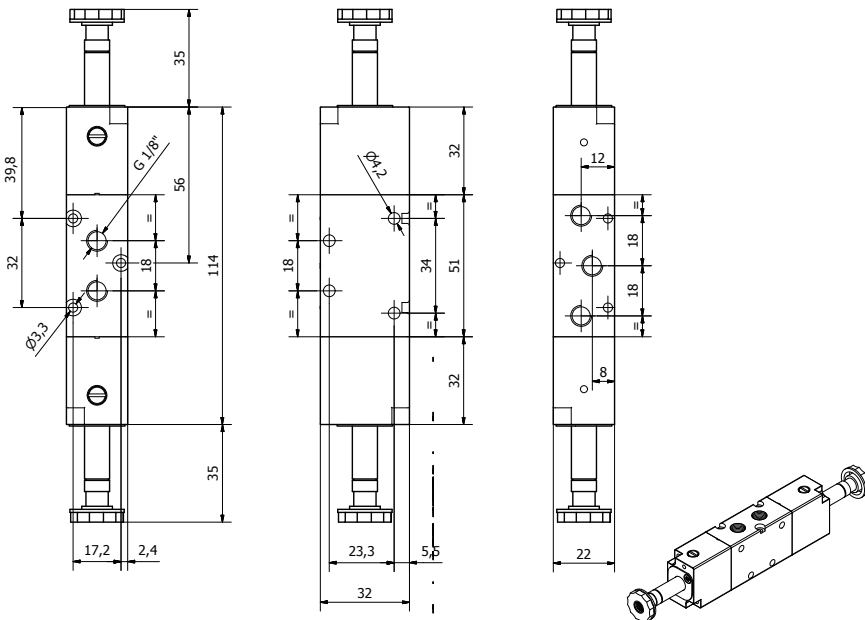
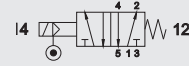
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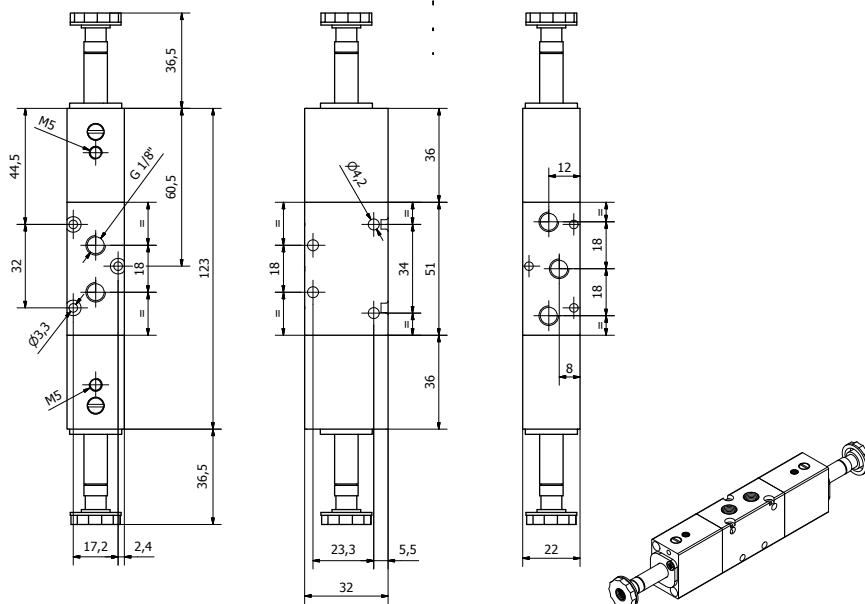
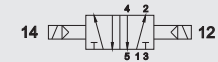
1/8 - 5/2 monostable separate air supply  
**1/8- 5/2 monostabilní samostatný přívod vzduchu**  
 1/8 - 5/2 monostabile alimentazione separata

**CODE**  
**VY85EAM00-T**



1/8 - 5/2 bistable  
**1/8- 5/2 bistabilní**  
 1/8 - 5/2 bistabile

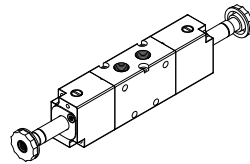
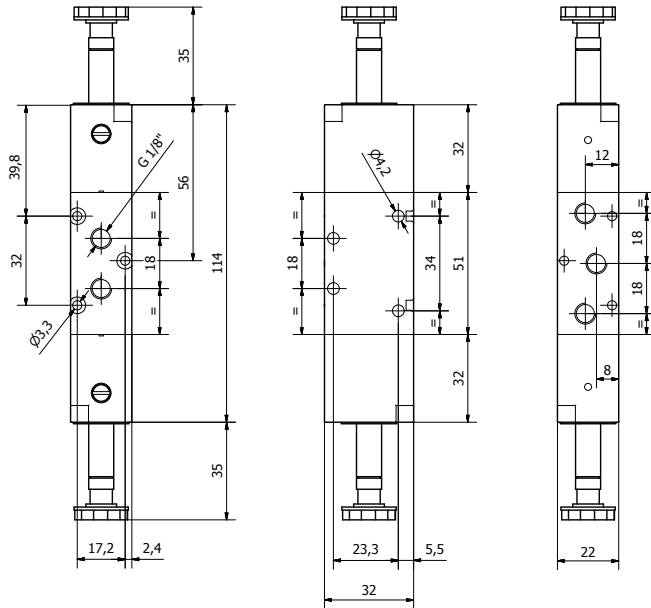
**CODE**  
**VY85ELB00-T**



1/8 - 5/2 bistable separate air supply  
**1/8- 5/2 bistabilní samostatný přívod vzduchu**  
 1/8 - 5/2 bistabile alimentazione separata

**CODE**  
**VY85EAB00-T**





1/8 - 5/3 monostable  
**1/8 - 5/3 monostabilní**  
 1/8 - 5/3 monostabile

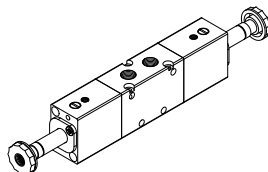
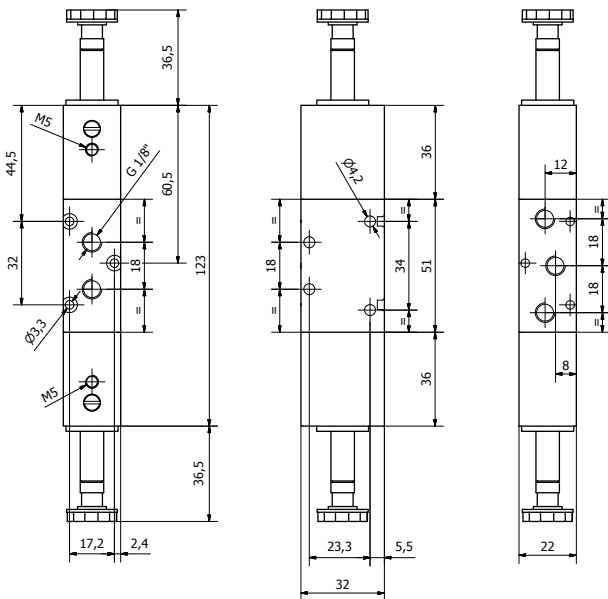
**CODE**  
**VY86ELMCC-T** CC / CF / CC



**CODE**  
**VY86ELMCA-T** CO / CO / CA

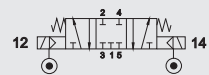


**CODE**  
**VY86ELMCP-T** CP / CP / CP

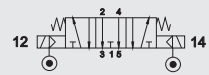


1/8 - 5/3 monostable separate air supply  
**1/8 - 5/3 monostabilní samostatný přívod vzduchu**  
 1/8 - 5/3 monostabile alimentazione separata

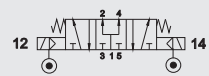
**CODE**  
**VY86EAMCC-T** CC / CF / CC



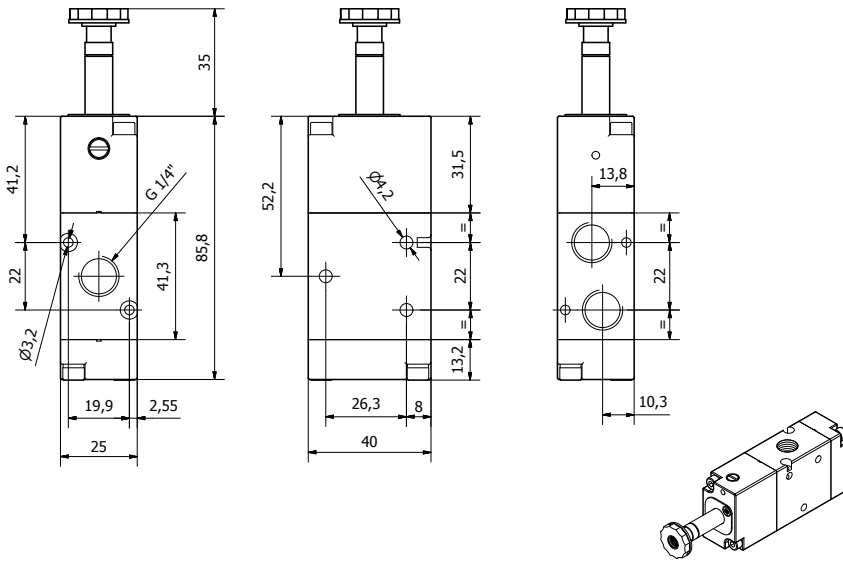
**CODE**  
**VY86EAMCA-T** CO / CO / CA



**CODE**  
**VY86EAMCP-T** CP / CP / CP

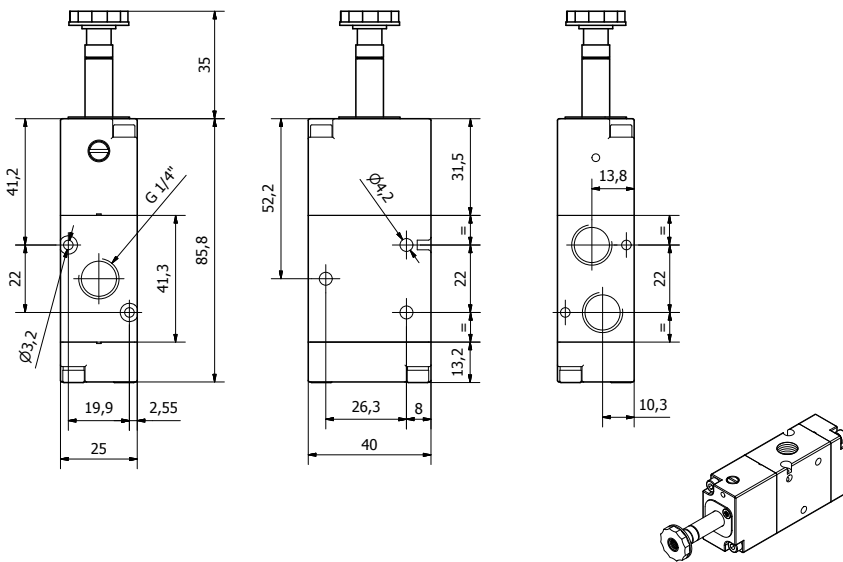
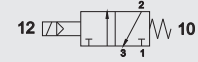






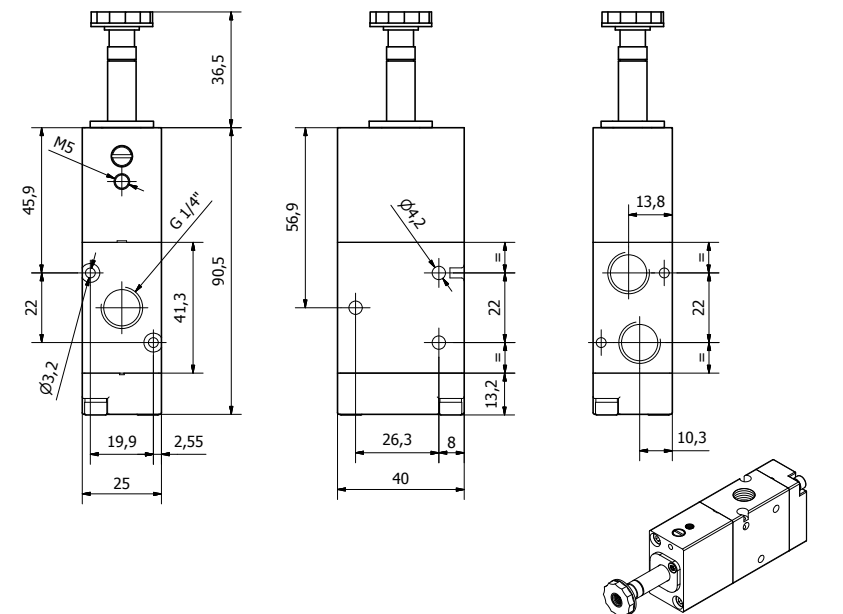
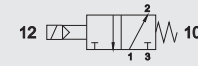
1/4 - 3/2 NC monostable  
**1/4 - 3/2 NC monostabilní**  
 1/4 - 3/2 NC monostabile

**CODE**  
**VY43ELMNC-T**



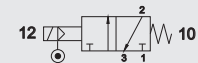
1/4 - 3/2 NO monostable  
**1/4 - 3/2 NO monostabilní**  
 1/4 - 3/2 NA monostabile

**CODE**  
**VY43ELMNA-T**



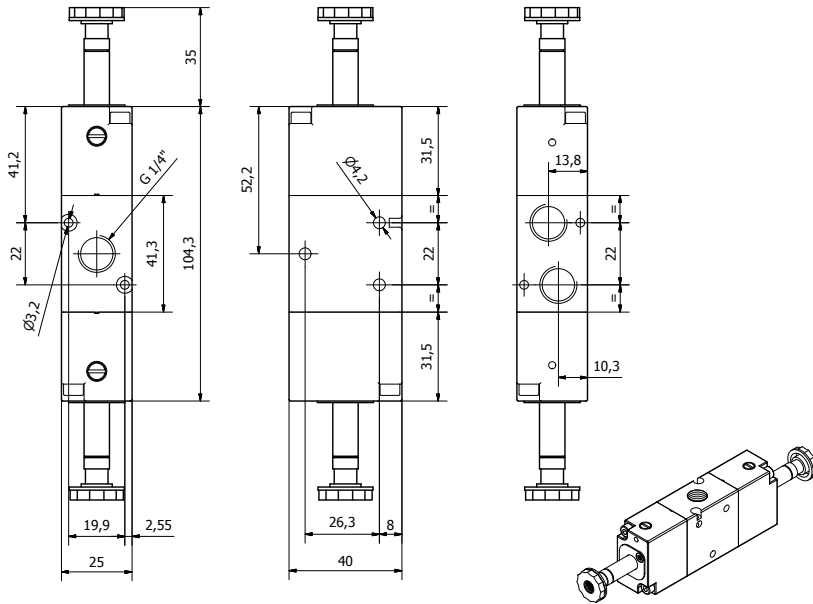
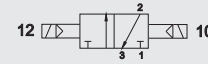
1/4 - 3/2 NC monostable separate air supply  
**1/4 - 3/2 NZ monostabilní samostatný přívod vzduchu**  
 1/4 - 3/2 NC monostabile alimentazione separata

**CODE**  
**VY43EAMNC-T**



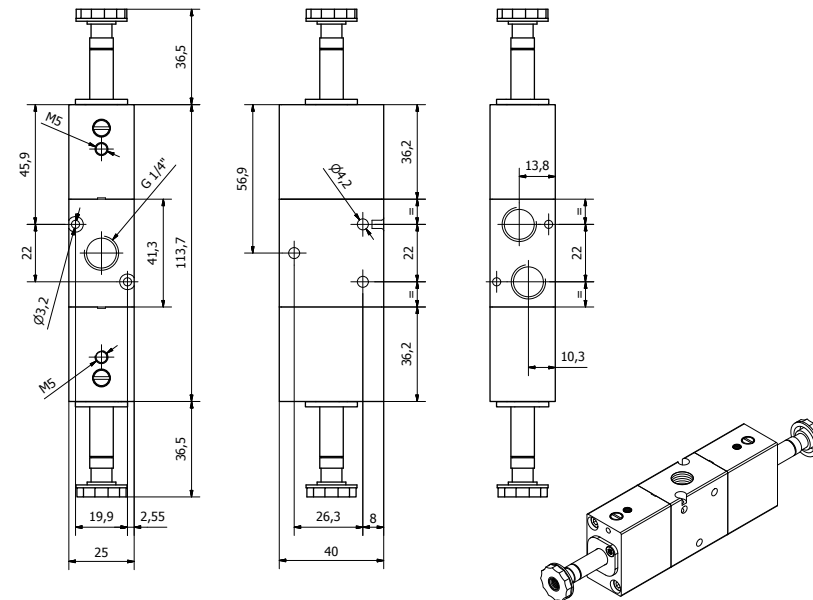
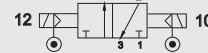
1/4 - 3/2 bistable  
**1/4 - 3/2 bistabilní**  
 1/4 - 3/2 *bistabile*

**CODE**  
**VY43ELB00-T**



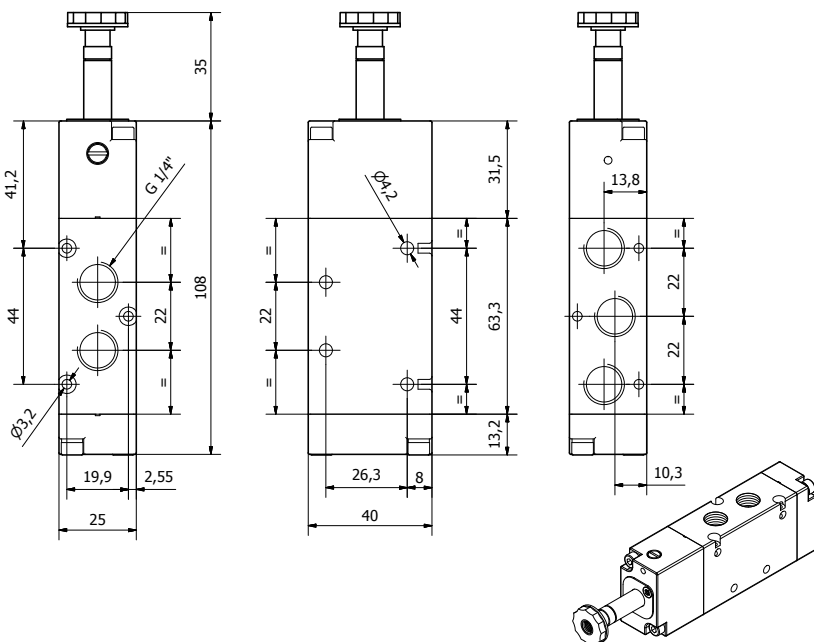
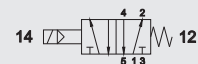
1/4 - 3/2 bistable separate air supply  
**1/4 - 3/2 bistabilní samostatný přívod vzduchu**  
 1/4 - 3/2 *bistabile alimentazione separata*

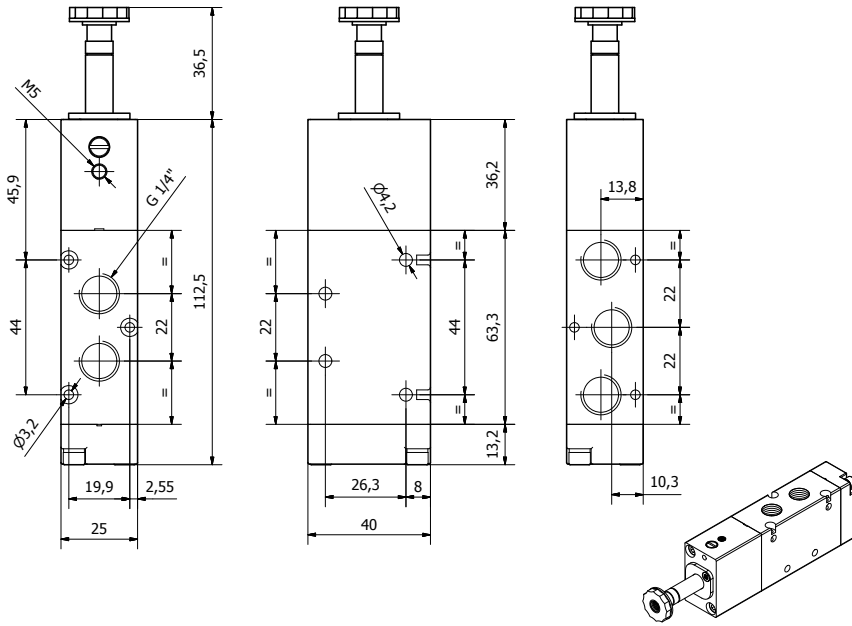
**CODE**  
**VY43EAB00-T**



1/4 - 5/2 monostable  
**1/4 - 5/2 monostabilní**  
 1/4 - 5/2 *monostabile*

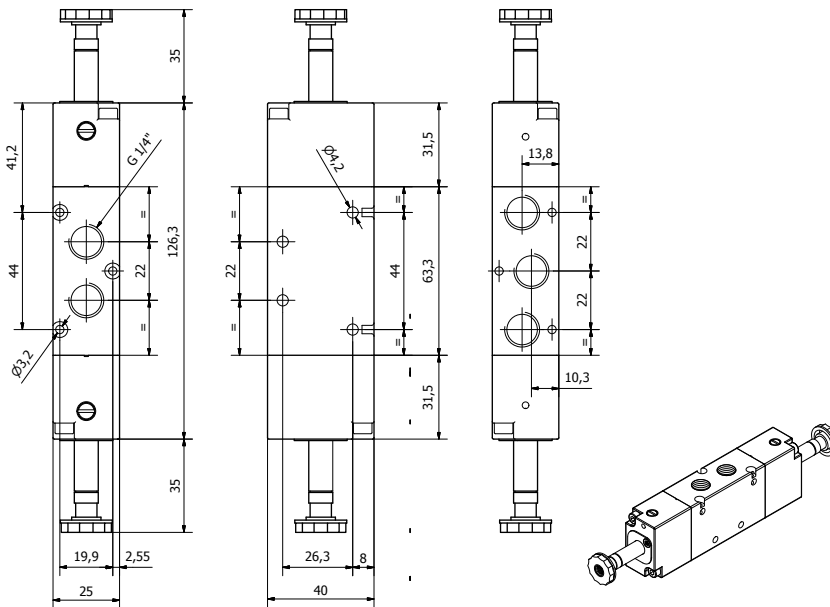
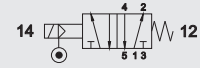
**CODE**  
**VY45ELM00-T**





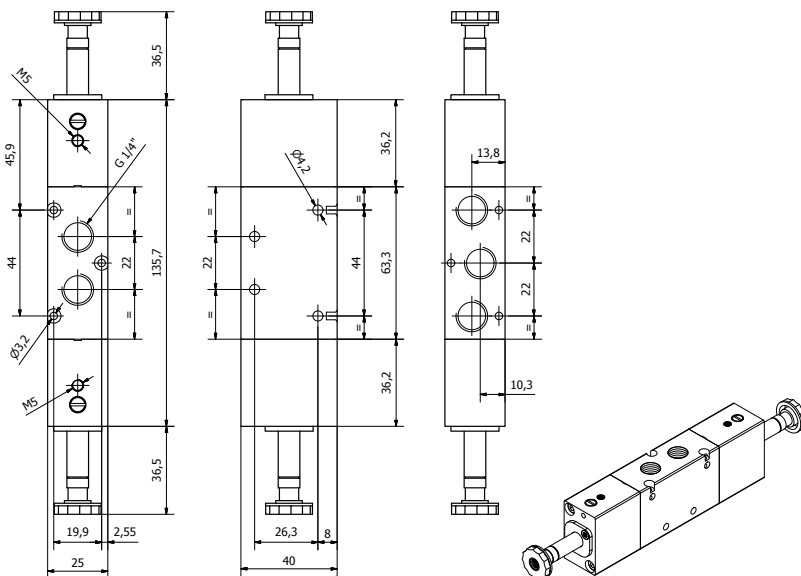
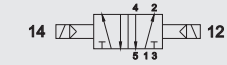
1/4 - 5/2 monostable separate air supply  
**1/4 - 5/2 monostabilní samostatný přívod vzduchu**  
 1/4 - 5/2 monostabile alimentazione separata

**CODE**  
**VY45EAM00-T**



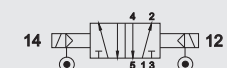
1/4 - 5/2 bistable  
**1/4 - 5/2 bistabilní**  
 1/4 - 5/2 bistabile

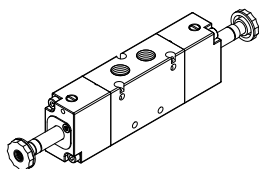
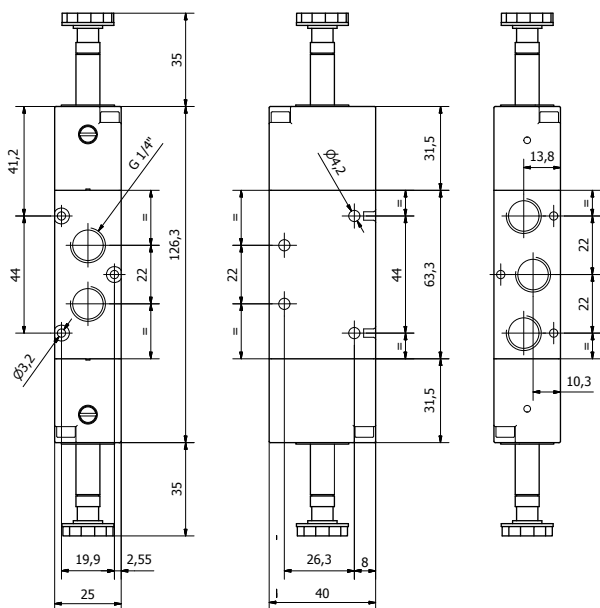
**CODE**  
**VY45ELB00-T**



1/4 - 5/2 bistable separate air supply  
**1/4 - 5/2 bistabilní samostatný přívod vzduchu**  
 1/4 - 5/2 bistabile alimentazione separata

**CODE**  
**VY45EAB00-T**





1/4 - 5/3 monostable  
**1/4 - 5/3 monostabilní**  
 1/4 - 5/3 monostabile

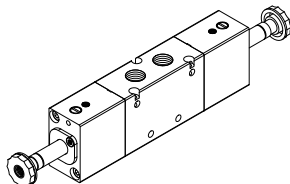
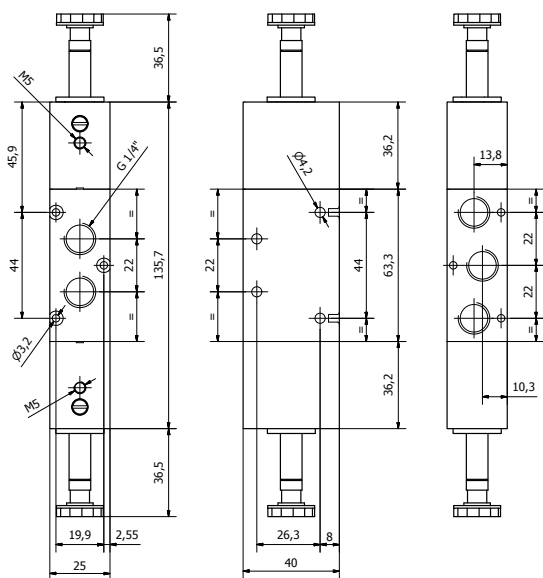
**CODE**  
**VY46ELMCC-T** CC / CF / CC



**CODE**  
**VY46ELMCA-T** CO / CO / CA

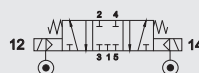


**CODE**  
**VY46ELMCP-T** CP / CP / CP



1/4 - 5/3 monostable separate air supply  
**1/4 - 5/3 monostabilní samostatný přívod vzduchu**  
 1/4 - 5/3 monostabile alimentazione separata

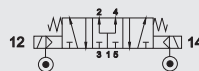
**CODE**  
**VY46EAMCC-T** CC / CF / CC

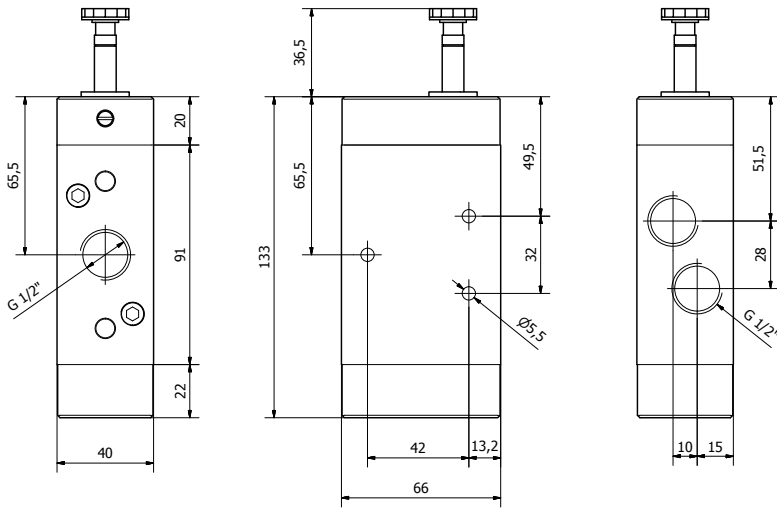


**CODE**  
**VY46EAMCA-T** CO / CO / CA



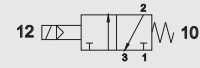
**CODE**  
**VY46EAMCP-T** CP / CP / CP





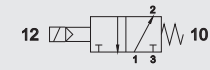
1/2 - 3/2 NC monostable  
**1/2 - 3/2 NC monostabilní**  
 1/2 - 3/2 NC monostabile

**CODE**  
**VY23ELMNC-T**



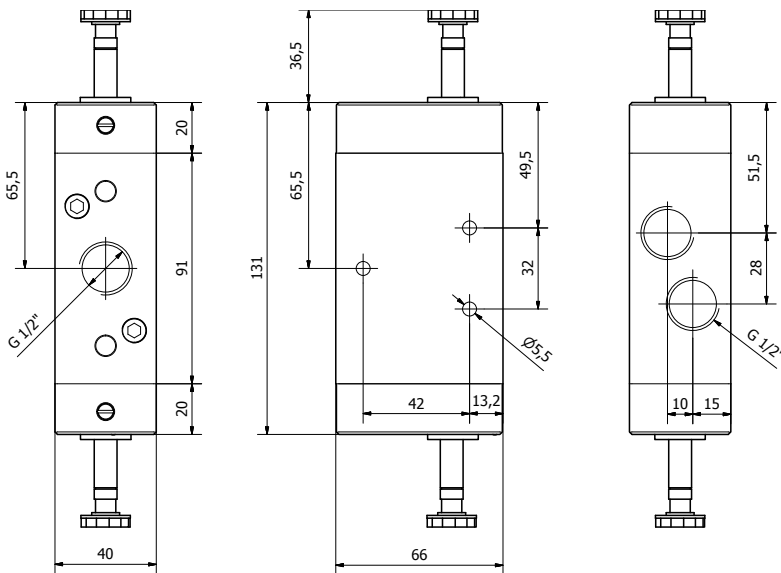
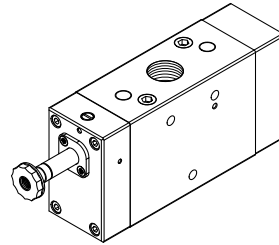
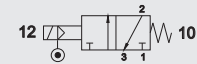
1/2 - 3/2 NO monostable  
**1/2 - 3/2 NO monostabilní**  
 1/2 - 3/2 NA monostabile

**CODE**  
**VY23ELMNA-T**



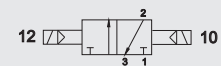
1/2 - 3/2 NC monostable separate air supply  
**1/2 - 3/2 NZ monostabilní samostatný přívod vzduchu**  
 1/2 - 3/2 NC monostabile alimentazione separata

**CODE**  
**VY23EAMNC-T**



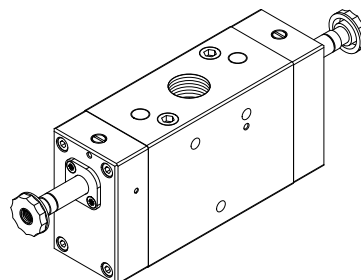
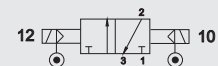
1/2 - 3/2 bistable  
**1/2 - 3/2 bistabilní**  
 1/2 - 3/2 bistabile

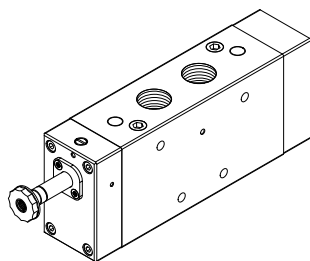
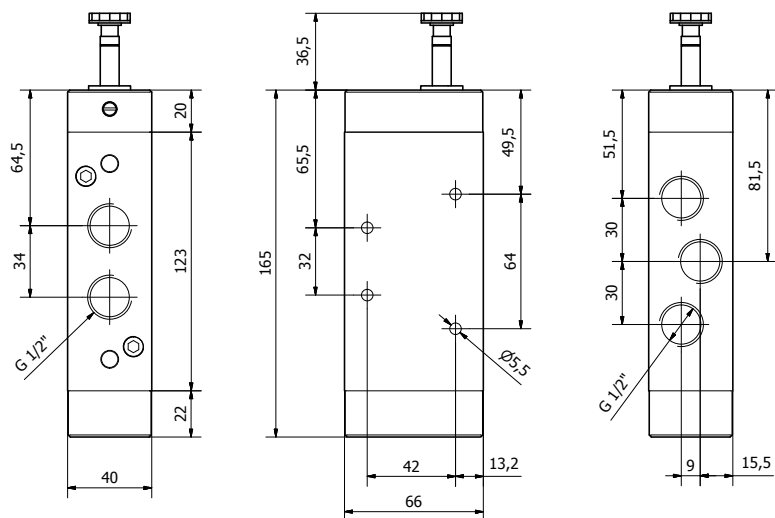
**CODE**  
**VY23ELB00-T**



1/2 - 3/2 bistable separate air supply  
**1/2 - 3/2 bistabilní samostatný přívod vzduchu**  
 1/2 - 3/2 bistabile alimentazione separata

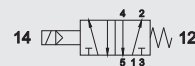
**CODE**  
**VY23EAB00-T**





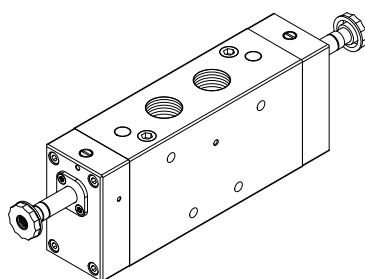
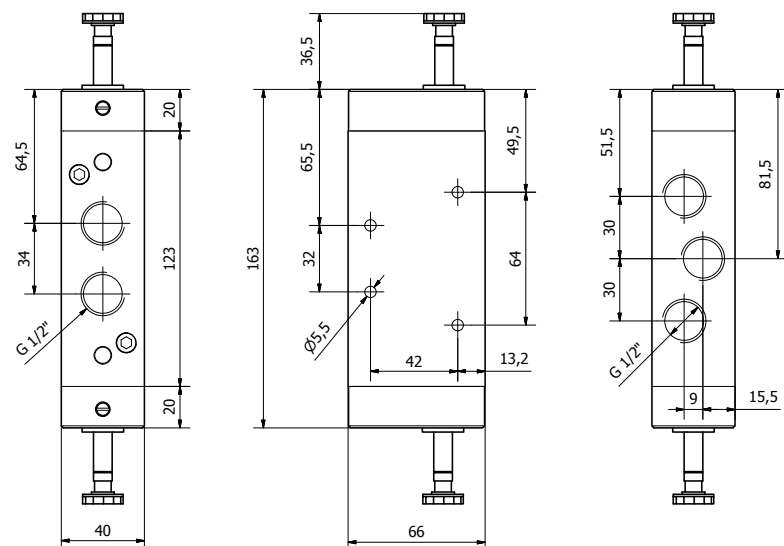
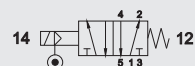
1/2 - 5/2 monostable  
**1/2 - 5/2 monostabilní**  
1/2 - 5/2 monostabile

CODE  
VY25ELM00-T



1/2 - 5/2 monostable separate air supply  
**1/2 - 5/2 monostabilní samostatný přívod vzduchu**  
1/2 - 5/2 monostabile alimentazione separata

CODE  
VY25EAM00-T



1/2 - 5/2 bistable  
**1/2 - 5/2 bistabilní**  
1/2 - 5/2 bistabile

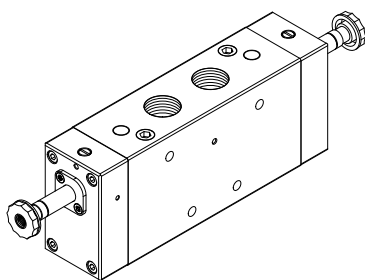
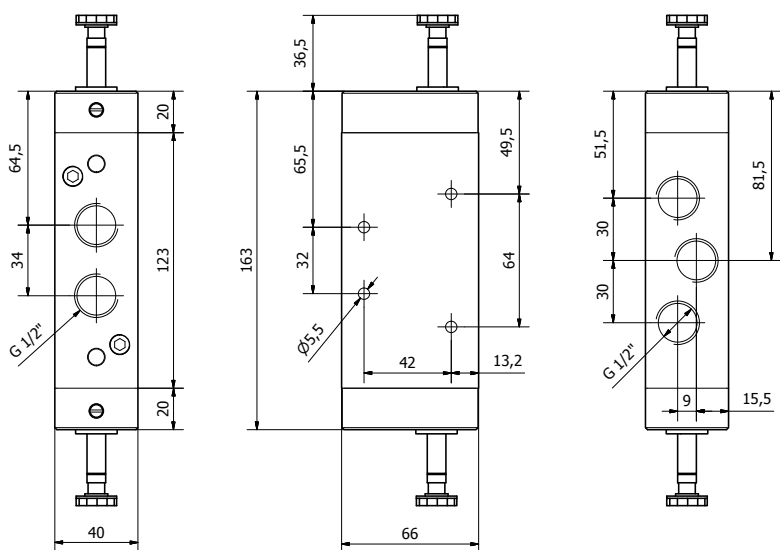
CODE  
VY25ELB00-T



1/2 - 5/2 bistable separate air supply  
**1/2 - 5/2 bistabilní samostatný přívod vzduchu**  
1/2 - 5/2 bistabile alimentazione separata

CODE  
VY25EAB00-T





1/2 - 5/3 monostable  
**1/2 - 5/3 monostabilní**  
 1/2 - 5/3 monostabile

CODE  
**VY26ELMCC-T** CC / CF / CC



CODE  
**VY26ELMCA-T** CO / CO / CA



CODE  
**VY26ELMCP-T** CP / CP / CP



1/2 - 5/3 monostable separate air supply  
**1/2 - 5/3 monostabilní samostatný přívod vzduchu**  
 1/2 - 5/3 monostabile alimentazione separata

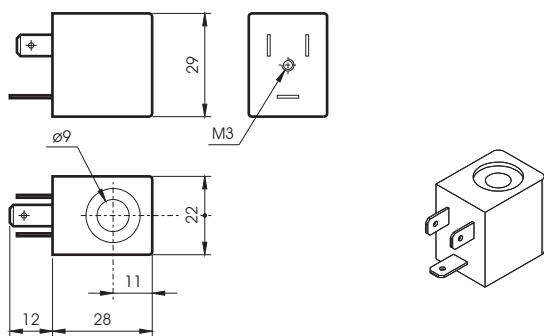
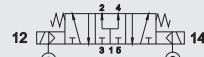
CODE  
**VY26EAMCC-T** CC / CF / CC



CODE  
**VY26EAMCA-T** CO / CO / CA



CODE  
**VY26EAMCP-T** CP / CP / CP

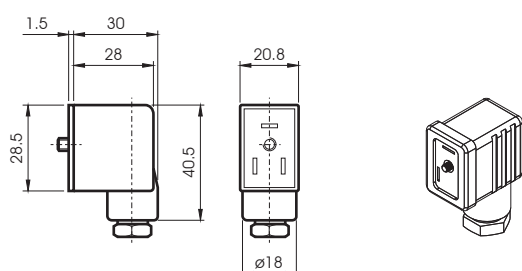


**COILS / CÍVKY / BOBINE**

CODE	POWER / NAPÁJENÍ / ASSORBIMENTO		
	Tension Napětí Tensione	Rated odpor a regime	Inrush Přívod di spunto
<b>BO4011012</b>	12 VDC	3W	
<b>BO4011024</b>	24 VDC	3W	
<b>BO4012024</b>	24 VAC	5VA	7,5VA
<b>BO4012110</b>	110 VAC	5VA	7,5VA
<b>BO4012220</b>	220 VAC	5VA	7,5VA

**TECHNICAL SPECIFICATIONS**  
**TECHNICKÁ DATA**  
**CARATTERISTICHE TECNICHE**

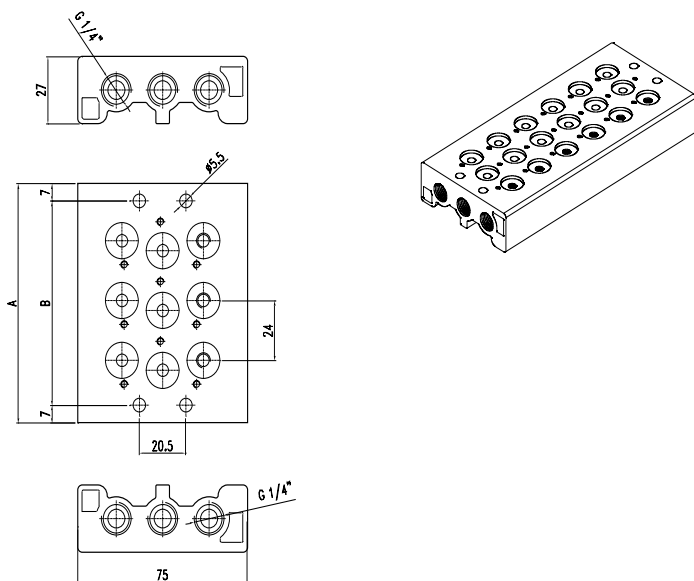
Tension tolerance / <b>Tolerance</b> / Tolleranza di tensione	+10%
Protection with connector / <b>Ochrana konektorem</b> / Protezione con connettore	IP65
Max working temperature / <b>Maximální teplota použití</b> / Temperatura max di esercizio	+ 50°C
Duty cycle / <b>Čas zapnutí</b> / Inserimento	ED 100%



**CONNECTORS / KONEKTORY / CONNETTORI**

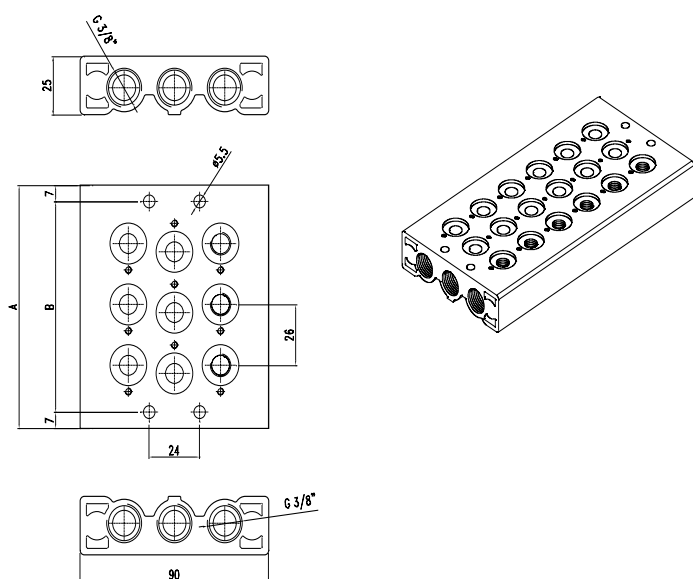
CODE	
<b>AR40696</b>	STANDARD
<b>VX0014</b>	LED 24V
<b>VX0015</b>	LED 110V
<b>VX0016</b>	LED 220V
<b>VX0017</b>	LED+VDR 24V
<b>VX0018</b>	LED+VDR 110V
<b>VX0019</b>	LED+VDR 220V





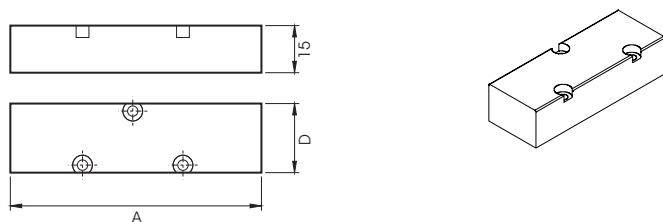
MANIFOLD FOR 1/8 VALVES  
ZÁKLADOVÁ DESKA PRO VENTILY 1/8  
SOTTOBASE PER VALVOLE 1/8

CODE	STATIONS	A	B
SB407202	2	72	58
SB407203	3	96	82
SB407204	4	120	106
SB407205	5	144	130
SB407206	6	168	154
SB407207	7	192	178
SB407208	8	216	202
SB407209	9	240	226
SB407210	10	264	250



MANIFOLD FOR 1/4 VALVES  
ZÁKLADOVÁ DESKA PRO VENTILY 1/4  
SOTTOBASE PER VALVOLE 1/4

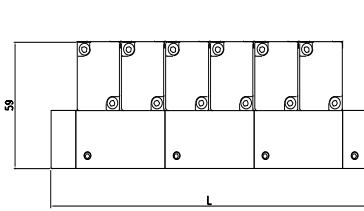
CODE	STATIONS	A	B
SB407302	2	78	64
SB407303	3	104	90
SB407304	4	130	116
SB407305	5	156	142
SB407306	6	182	168
SB407307	7	208	194
SB407308	8	234	220
SB407309	9	260	246
SB407310	10	286	272



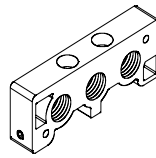
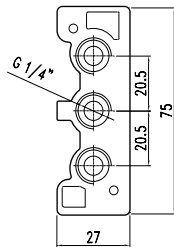
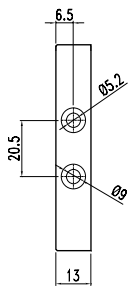
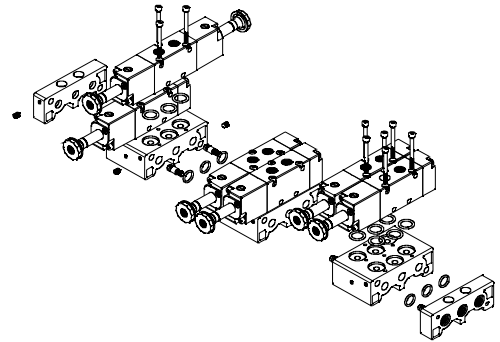
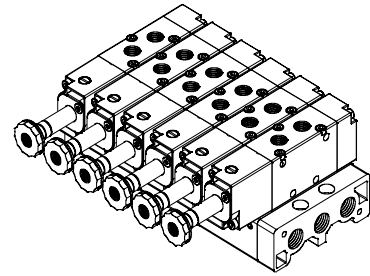
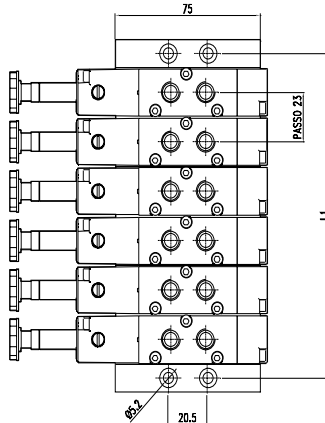
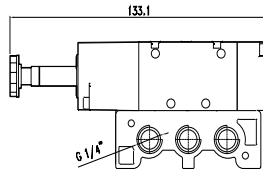
BLANKING PLATE  
ZÁVĚSNÁ ŠTÍTKA  
PIASTRINA DI CHIUSURA

CODE		A	D
SB40720004	1/8	60	22
SB40730004	1/4	70	25

1/8 MODULAR MANIFOLD  
**1/8 ZÁKLADOVÉ DESKY**  
 BASE MODULARE 1/8

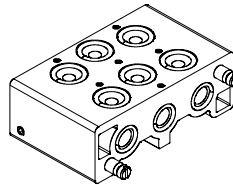
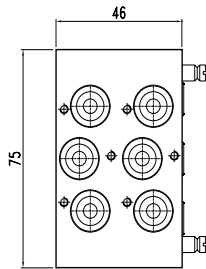
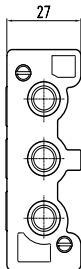


pos.	L	L1
2	72	59
4	118	105
6	164	151
8	210	197
10	256	243
12	302	289



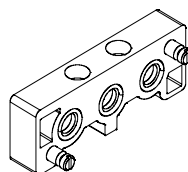
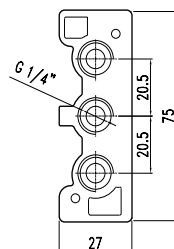
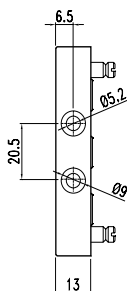
TERMINAL RIGHT 1/8  
**TERMINÁL V PRAVO 1/8**  
 TERMINALE DESTRO 1/8

CODE  
 SB407213



MODULAR MANIFOLD 1/8  
**ZÁKLADOVÁ DESKA 1/8**  
 BASE MODULARE 1/8

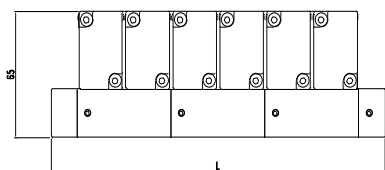
CODE  
 SB407211



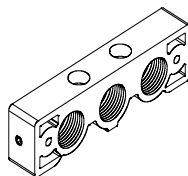
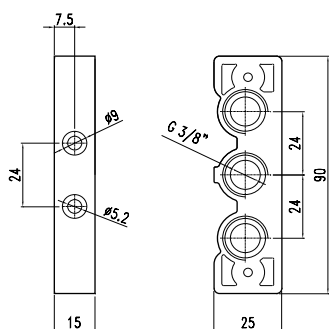
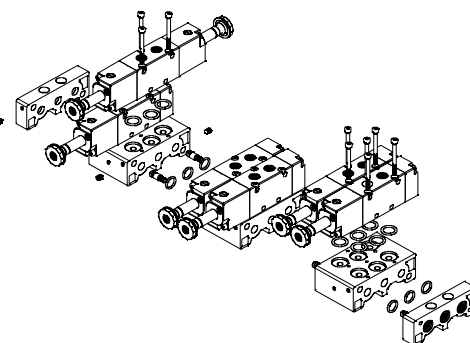
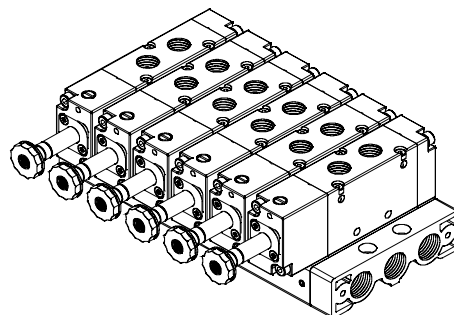
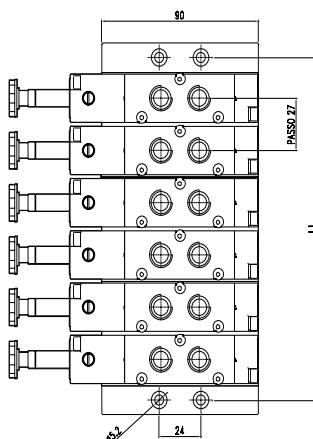
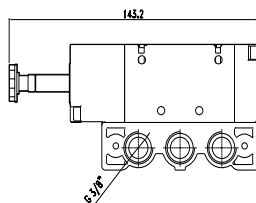
TERMINAL LEFT 1/8  
**TERMINÁL V LEVO 1/8**  
 TERMINALE SINISTRO 1/8

CODE  
 SB407212

1/4 MODULAR MANIFOLD  
EMBASE MODULAIRE 1/4  
BASE MODULARE 1/4

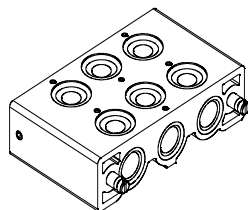
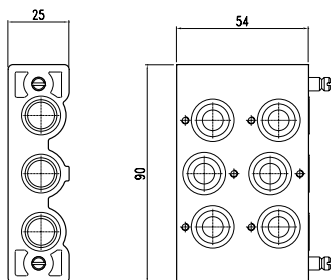


pos.	L	L1
2	84	69
4	138	123
6	192	177
8	246	231
10	300	285
12	354	339



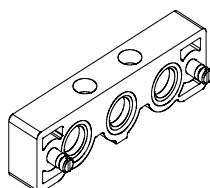
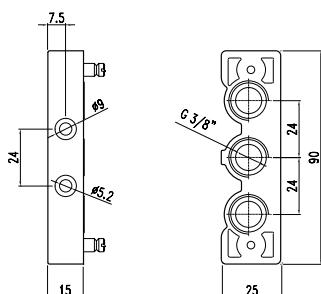
TERMINAL RIGHT 1/4  
**TERMINÁL V PRAVO 1/4**  
TERMINALE DESTRO 1/4

CODE  
SB407313



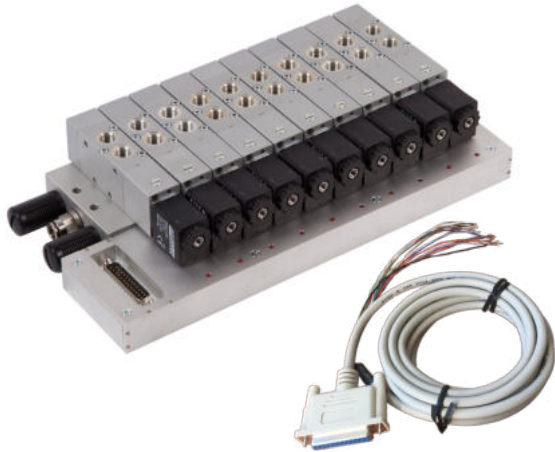
MODULAR MANIFOLD 1/4  
**ZÁKLADOVÁ DESKA 1/4**  
BASE MODULARE 1/4

CODE  
SB407311



TERMINAL LEFT 1/4  
**TERMINÁL V VLEVO 1/4**  
TERMINALE SINISTRO 1/4

CODE  
SB407312



This system allows the installation of a series of 1/8 solenoid valves with different functions: 5 / 2 monostable 5 / 2 bistable and 5 / 3, through a a printed circuit board inserted in an aluminum shell with a female connection SUB-D 25 pin; this avoids the wiring of each valve.

Thanks to a simple and intuitive coding system, it is possible to order the island with mounted and tested solenoid, or also to just order the island and mount the solenoid valves at a later date.

**Tento systém umožňuje instalaci řady 1/8 elektromagnetických ventilů s různými funkcemi: 5/2 monostabilních 5/2 bistabilních a 5/3, prostřednictvím desky s plošnými spoji vložené do hliníkové skořepiny se zásuvkou 25 SUB-D 25 pinů ; Tím se zabrání zapojení každého ventilu SAMOSTATNĚ. Díky jednoduchému a intuitivnímu systému kódování je možné ostrov objednat s namontovaným a vyzkoušeným solenoidem, nebo si také jednoduše objednat ostrov a namontovat solenoidové ventily později.**

*Questo sistema permette il montaggio di una serie di elettrovalvole da 1/8 di diversa funzione: 5/2 monostabile 5/2 bistabile e 5/3, grazie ad un circuito stampato inserito in un guscio di alluminio con una connessione femmina SUB-D 25 pin, si eviterà così il cablaggio di ogni singola valvola. Grazie ad un sistema di codifica molto semplice ed intuitivo, è possibile ordinare l'isola con elettrovalvole montate e collaudate oppure è possibile ordinare la sola base montando le elettrovalvole in un secondo tempo.*

**ORDERING CODE / OBJEDNÁVKOVÝ KÓD / CHIAVE DI CODIFICA**

S M 2 0 0 0 0 0 0 0 3

3= Connection D-SUB 25 pin / Konektor D-SUB 25 pin / Connessione D-SUB 25 pin

N° stations / Počet ventilů / N° posti  
 02  
 04  
 06  
 08  
 10  
 12

2= D-SUB connector with 3m cable included  
**Včetně konektoru D-SUB s kabelem 3 m**  
 Connettore D-SUB con cavo da 3 mt incluso

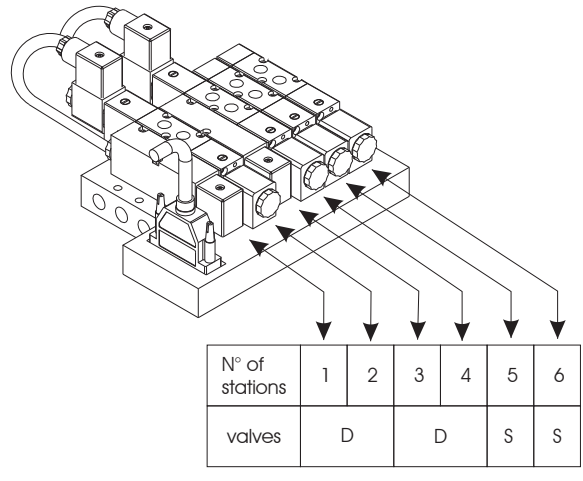
**SHORT CODE / KRÁTKÝ KÓD / CODICE BREVE**

- S= VY85ELM00 (5/2 monostable / **monostabilní** / monostabile)
- D= VY85ELB00 (5/2 bistable / **bistabilní** / bistabile)
- C= VY86ELMCC (5/3 closed centers / **uzavřené centrum** / centri chiusi)
- O= VY86ELMCA (5/3 open centers / **otevřené centrum** / centri aperti)
- P= VY86ELMCP (5/3 pressurized centers / **střed pod tlakem** / centri in pressione)
- B= BLANKING PLATE / **ZÁVĚSNÁ ŠTÍTKA** / PIASTRINA DI CHIUSURA

For every requested double solenoid valve, it is necessary to consider 2 stations (one is for the valve and the other is for the included adaptor).

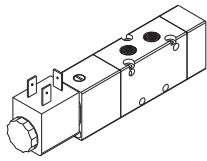
**Pro každý požadovaný bistabilní ventil je nutné počítat 2 pozice (jeden je pro cívku na jedné straně a druhý pro přiložený konektor).**

*Per ogni valvola doppio solenoide, si deve considerare 2 postazioni (una per la valvola e l'altra per l'adattatore che è compreso).*



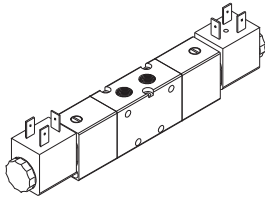
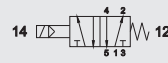
**TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI**

Operating temperature range / <b>Provozní teplota</b> / Temperatura di esercizio	-0°C / + 50°C
Max operating pressure / <b>Maximální pracovní tlak</b> / Pressione massima di esercizio	10 bar
Flow rate / <b>Průtok</b> / Portata	550 NI/min
Visualization / <b>vizualizace</b> / Segnalazione di stato	Red Led / <b>Červená LED</b> / Led rosso
Voltage / <b>Napájecí napětí</b> / Tensione di alimentazione	24 VDC - 24VAC
Connections / <b>Connections</b> / Connessioni	1/8 Out · 1/4 In
Electric connections / <b>Připojení</b> / Connessione ingresso	Sub-D 25 pin
Maximum frequency / <b>Maximální frekvence</b> / Frequenza massima	5 cidi/sec.



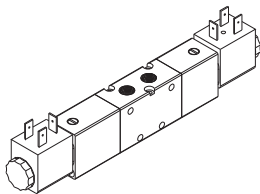
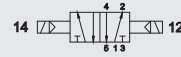
1/8 - 5/2 monostable  
**1/8 - 5/2 monostabilní**  
 1/8 - 5/2 monostabile

CODE  
**VY85ELM00-T**



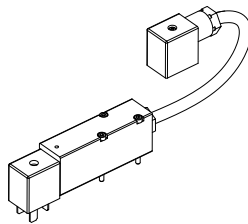
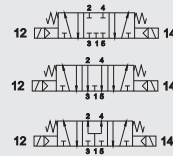
1/8 - 5/2 bistable  
**1/8 - 5/2 bistabilní**  
 1/8 - 5/2 bistabile

CODE  
**VY85ELB00-T**



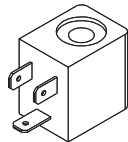
1/8 - 5/3 monostable  
**1/8 - 5/3 monostabilní**  
 1/8 - 5/3 monostabile

CODE  
**VY86ELMCC-T**  
**VY86ELMCA-T**  
**VY86ELMCP-T**



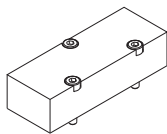
ADAPTOR FOR DOUBLE SOLENOID VALVE  
**ADAPTÉR PRO BISTABILNÍ SOLENOIDOVÝ VENTIL**  
 ADATTATORE PER VALVOLA DOPPIO SOLENOIDE

CODE  
**VX0001**



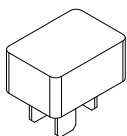
COIL 24 VDC  
**CÍVKA 24VDC**  
 BOBINE 24 VDC

CODE  
**BO4001024**



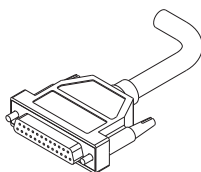
BLANKING PLATE  
**ZÁSLEPKA**  
 PIASTRINA DI CHIUSURA

CODE  
**SB401212**



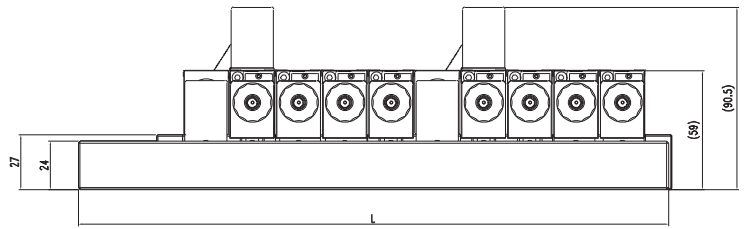
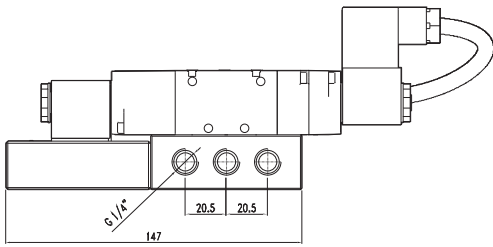
BLANKING PLATE FOR ELECTRIC CONNECTION  
**ZÁSLEPKA PRO ELEKTRICKÉ PŘIPOJENÍ**  
 TAPPO PER CONNESSIONE ELETTRICA

CODE  
**VX0005**

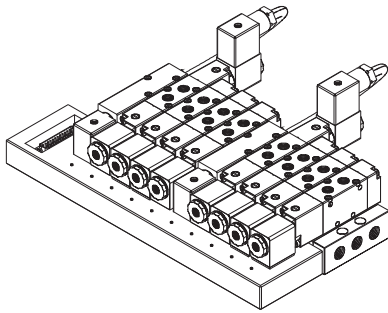
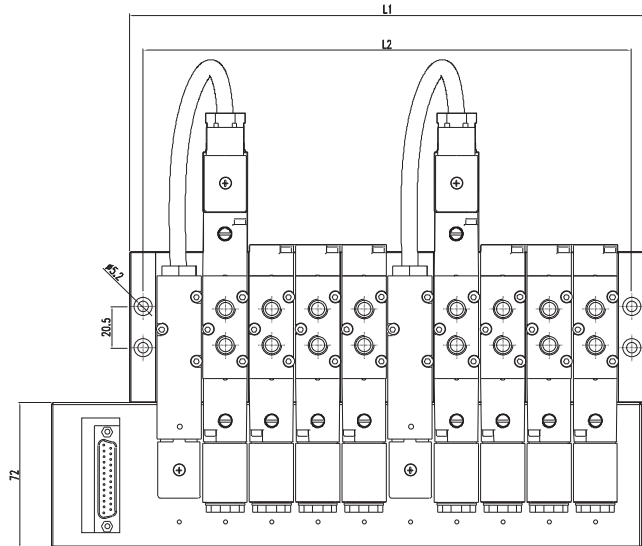


CONNECTOR D-SUB 25 PIN CABLE 1,5 MT  
**KONEKTORY D-SUB 25 PIN CABLE 1,5 MT**  
 CONNETTORE D-SUB 25 PIN CON CAVO 1,5 MT

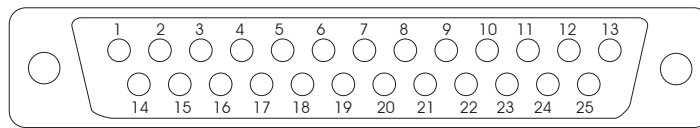
CODE  
**VX0004**



N° POS	L	L1	L2
2	109.5	72	59
4	155.5	118	105
6	201.5	164	151
8	247.5	210	197
10	293.5	256	243
12	339.5	302	289



**ELECTRICAL CONNECTOR / ELEKTRICKÝ KONEKTOR / CONNESSIONE ELETTRICA**



PIN	COLOR / BARVA / COLORE	COIL / CÍVKA / BOBINA
1	brown / hnědý / hnědý	1
2	brown white / hnědý bílá / hnědýe bianco	2
3	red / červená / rosso	3
4	red black / červená černá / rosso nero	4
5	orange / oranžový / arancio	5
6	orange black / oranžový černá / arancio nero	6
7	yellow / žlutý / giallo	7
8	yellow black / žlutý černá / giallo nero	8
9	green / zelená / verde	9
10	green black / zelená černá / verde nero	10
11	blue / modrý / blu	11
12	blue white / modrý bílá / blu bianco	12
14	purple white / nachový bílá / viola bianco	13

PIN	COLOR / BARVA / COLORE	COIL / CÍVKA / BOBINA
15	gray / šedá / grigio	14
16	gray black / šedá černá / grigio nero	15
17	white / bílý / bianco	16
18	white black / bílý černá / bianco nero	17
19	pink / růžový / rosa	18
20	pink black / růžový černá / rosa nero	19
21	white red / bílý červená / bianco rosso	20
22	white blue / bílý modrý / bianco blu	21
23	light blue / světle modrá / azzurro	22
24	light blue black / světle modrá černá / azzurro nero	23
13	purple / nachový / viola	COM
25	light green / světle zelená / verdino	COM



POS's pneumatic valves combine big resistance, reliability and versatility of assemblage; the VK series can be assembled in several ways: In-line, on panel, on multiple bases, on manifolds and on cylinders. Available size are 1/8, 1/4 and 1/2, the available functions are 3/2, 5/2 e 5/3.

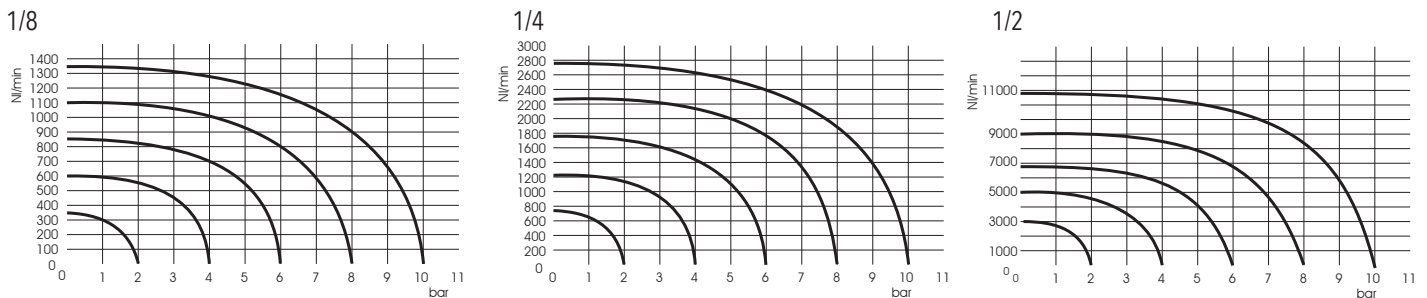
**Pneumatické ventily POS spojují velkou spolehlivost, univerzálnost a variabilitu, Série VK lze sestavit několika způsoby:**  
 In-line, na panelu, na více základových deskách, na rozdělovacích lištách a na válcích.  
 Dostupné velikosti jsou 1/8, 1/4 a 1/2, dostupné funkce jsou 3/2, 5/2 e 5/3.

*La serie di valvole pneumatiche di POS, possiedono caratteristiche di grande robustezza, affidabilità e versatilità di montaggio, infatti la serie VK si possono montare in diversi modi: in linea, a parete, su base multipla, su collettori e persino su cilindro. Sono disponibili in tra taglie 1/8, 1/4 e 1/2 nelle funzioni 3/2, 5/2 e 5/3.*

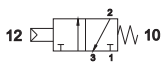
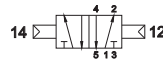
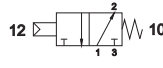
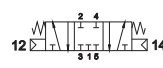
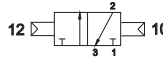

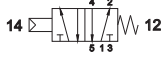
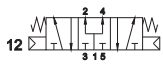
**TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI**

	1/8	1/4	1/2
Flow rate 6 bar Δp 1bar / Průtok à 6 bar Δp 1bar / Portata a 6 bar Δp 1bar	550 NI/min	1100 NI/min	4600NI/min
Nominal orifice / Jmenovitý průměr / Diametro nominale	5mm	7.5mm	13mm
Response times mono-stable / Monostabilní doba odezvy / Tempi risposta monostabile	TRA 6ms / TRR 15ms	TRA 7ms / TRR 15ms	TRA 24ms / TRR 43ms
Response times bi-stable / Bistabilní doba odezvy / Tempi risposta bistabile	TRA 7ms / TRR 7ms	TRA 7ms / TRR 7ms	TRA 30ms / TRR 30ms
Coils tension / Napětí cívky / Tensione bobine	12VDC - 24VDC - 24VAC - 110VAC - 220VAC 50/60Hz		
Pressure range / Pracovní tlak / Pressione di esercizio	2.5 ÷ 10bar		
Temperature range / Provozní teplota / Temperatura di esercizio	-10°C ÷ +60°C		

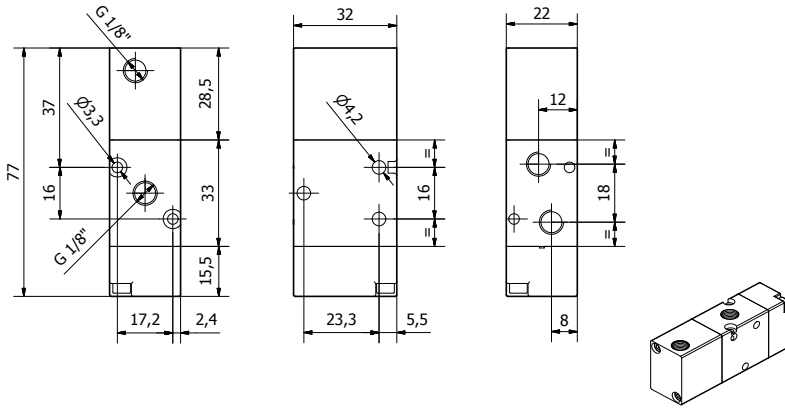
**FLOW RATES / PRŮTOK / PORTATE**



**FAST SELECT / RYCHLÝ VÝBĚR / SELEZIONE RAPIDA**

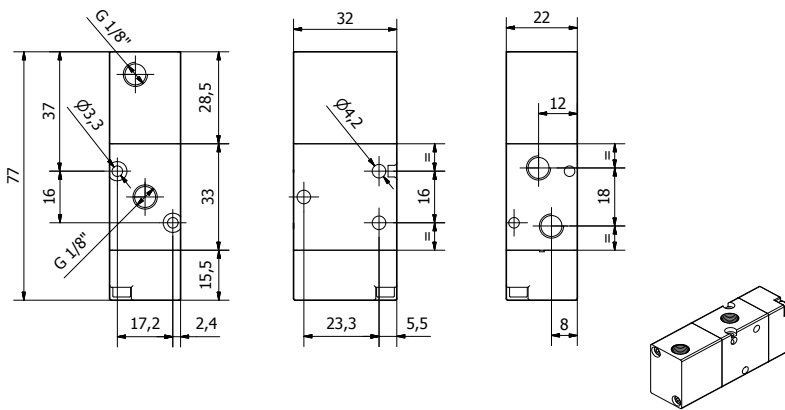
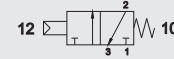
	monostable / monostabilní / monostabile VK83PNMNC-T 3/2 1/8 NC / NZ / NC VK43PNMNC-T 3/2 1/4 NC / NZ / NC VK23PNMNC-T 3/2 1/2 NC / NZ / NC		bistable / bistabilní / bistabile VK85PNB00-T 5/2 1/8 VK45PNB00-T 5/2 1/4 VK25PNB00-T 5/2 1/2
	monostable / monostabilní / monostabile VK83PNMNA-T 3/2 1/8 NO / NO / NA VK43PNMNA-T 3/2 1/4 NO / NO / NA VK23PNMNA-T 3/2 1/2 NO / NO / NA		monostable / monostabilní / monostabile VK86PNMCC-T 5/3 1/8 CC / CF / CC VK46PNMCC-T 5/3 1/4 CC / CF / CC VK26PNMCC-T 5/3 1/2 CC / CF / CC
	bistable / bistabilní / bistabile VK83PNB00-T 3/2 1/8 VK43PNB00-T 3/2 1/4 VK23PNB00-T 3/2 1/2		monostable / monostabilní / monostabile VK86PNMCA-T 5/3 1/8 CO / CO / CA VK46PNMCA-T 5/3 1/4 CO / CO / CA VK26PNMCA-T 5/3 1/2 CO / CO / CA
	monostable / monostabilní / monostabile VK85PNM00-T 5/2 1/8 VK45PNM00-T 5/2 1/4 VK25PNM00-T 5/2 1/2		monostable / monostabilní / monostabile VK86PNMCP-T 5/3 1/8 CP / CP / CP VK46PNMCP-T 5/3 1/4 CP / CP / CP VK26PNMCP-T 5/3 1/2 CP / CP / CP





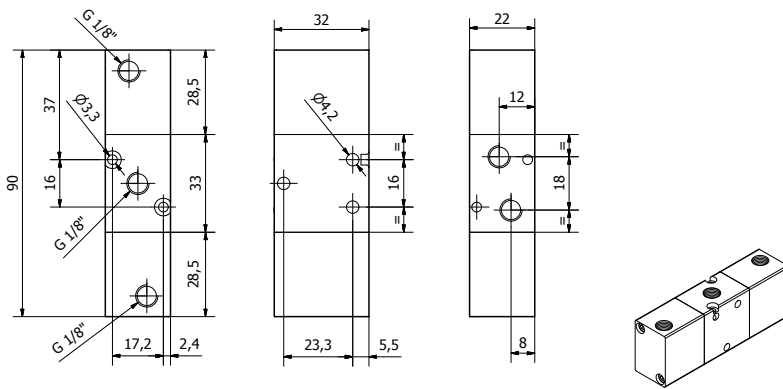
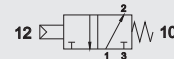
1/8 - 3/2 NC monostable  
**1/8 - 3/2 NZ monostabilní**  
 1/8 - 3/2 NC monostabile

CODE  
**VK83PNMNC-T**



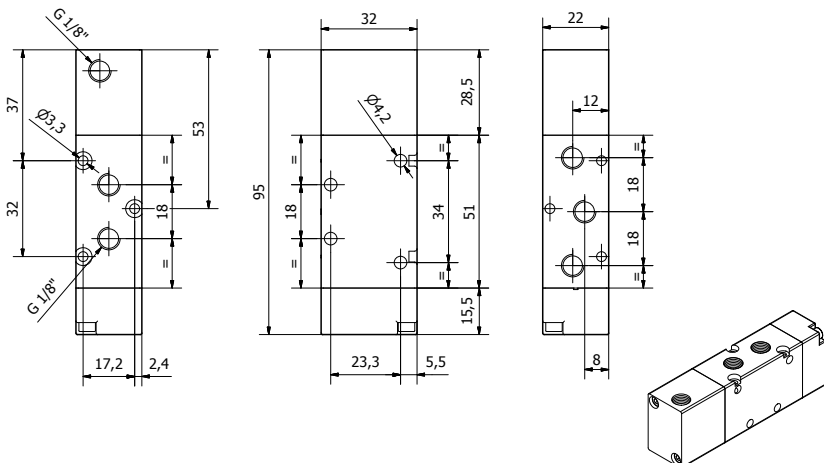
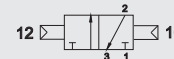
1/8 - 3/2 NO monostable  
**1/8 - 3/2 NO monostabilní**  
 1/8 - 3/2 NA monostabile

CODE  
**VK83PNMNA-T**



1/8 - 3/2 bistable  
**1/8 - 3/2 bistabilní**  
 1/8 - 3/2 bistabile

CODE  
**VK83PNB00-T**

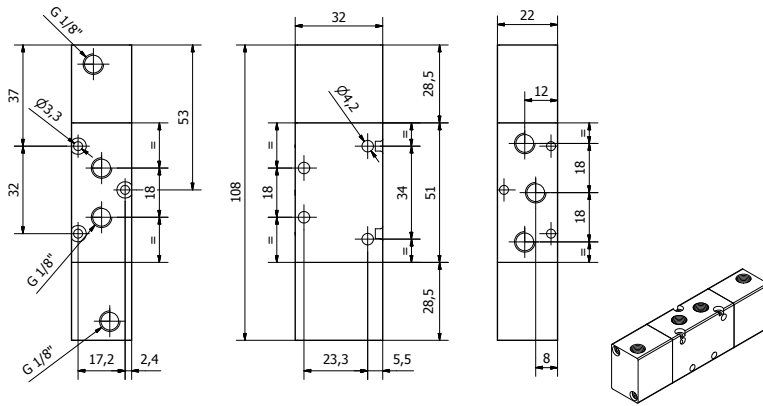


1/8 - 5/2 monostable  
**1/8 - 5/2 monostabilní**  
 1/8 - 5/2 monostabile

CODE  
**VK85PNM00-T**

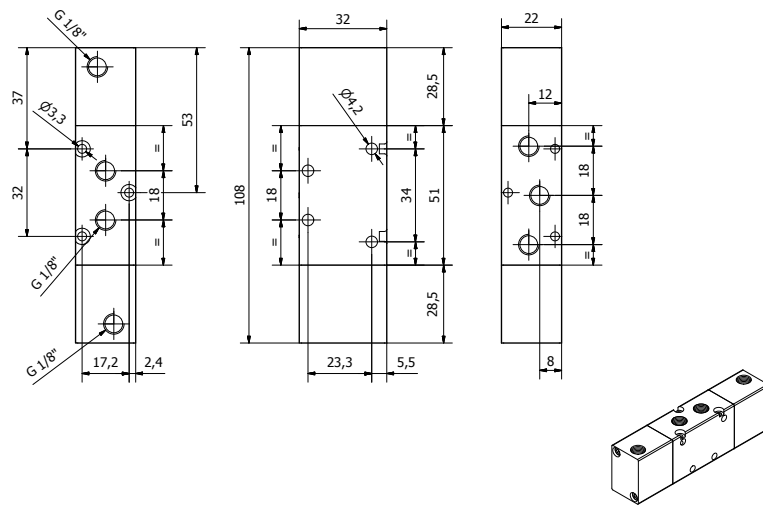






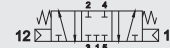
1/8 - 5/2 bistable  
**1/8 - 5/2 bistabilní**  
 1/28 - 5/2 bistabile

CODE  
**VK85PNB00-T**



1/8 - 5/3 monostable  
**1/8 - 5/3 monostabilní**  
 1/8 - 5/3 monostabile

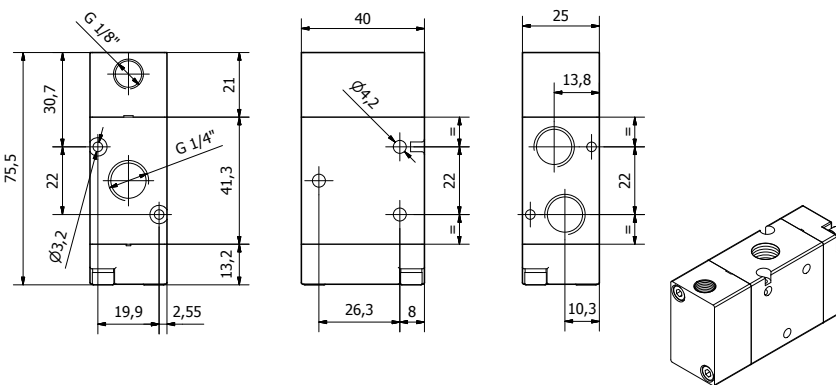
CODE  
**VK86PNMCC-T** CC / CF / CC



CODE  
**VK86PNMCA-T** CO / CO / CA

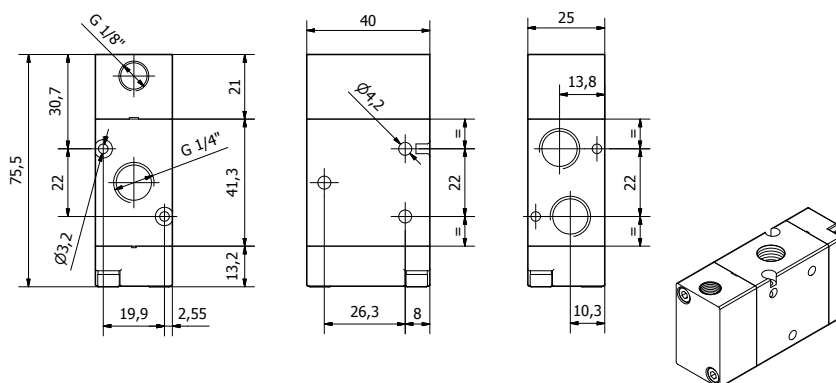


CODE  
**VK86PNMCP-T** CP / CP / CP



1/4 - 3/2 NC monostable  
**1/4 - 3/2 NZ monostabilní**  
 1/4 - 3/2 NC monostabile

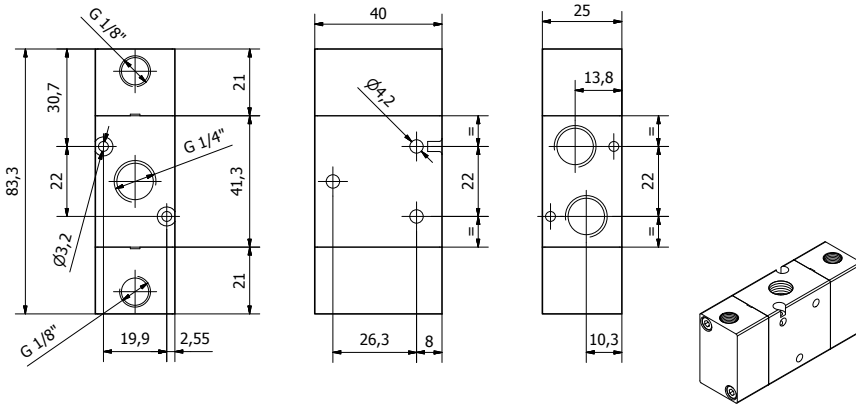
CODE  
**VK43PNMNC-T**



1/4 - 3/2 NO monostable  
**1/4 - 3/2 NO monostabilní**  
 1/4 - 3/2 NA monostabile

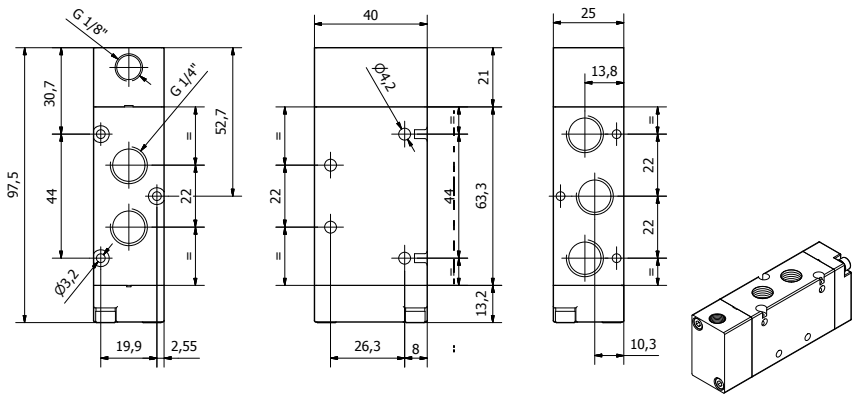
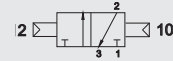
CODE  
**VK43PNMNA-T**





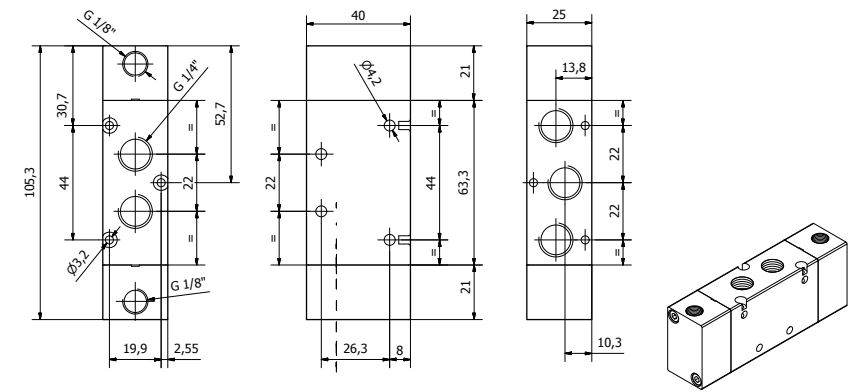
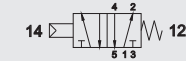
1/4 - 3/2 bistable  
**1/4 - 3/2 bistabilní**  
 1/4 - 3/2 bistabile

**CODE**  
**VK43PNB00-T**



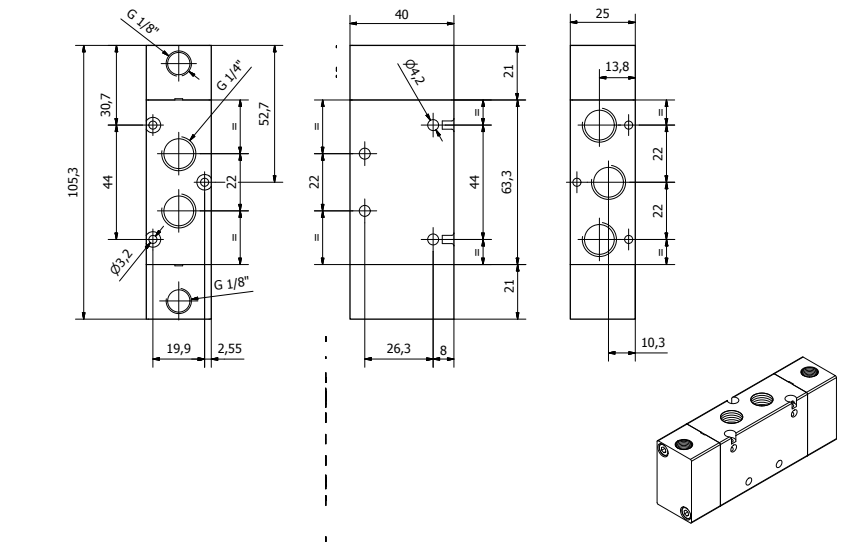
1/4 - 5/2 monostable  
**1/4 - 5/2 monostabilní**  
 1/4 - 5/2 monostabile

**CODE**  
**VK45PNM00-T**



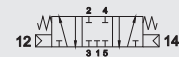
1/4 - 5/2 bistable  
**1/4 - 5/2 bistabilní**  
 1/4 - 5/2 bistabile

**CODE**  
**VK45PNB00-T**



1/4 - 5/3 monostable  
**1/4 - 5/3 monostabilní**  
 1/4 - 5/3 monostabile

**CODE**  
**VK46PNMCC-T** CC / CF / CC



**CODE**  
**VK46PNMCA-T** CO / CO / CA

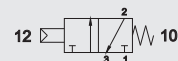


**CODE**  
**VK46PNMCP-T** CP / CP / CP



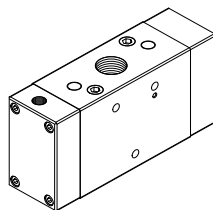
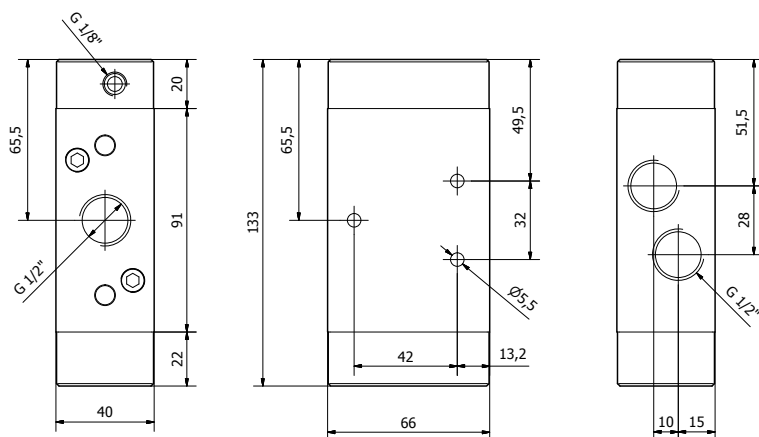
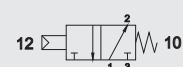
1/2 - 3/2 NC monostable  
**1/2 - 3/2 NZ monostabilní**  
 1/2 - 3/2 NC monostabile

CODE  
**VK23PNMNC-T**



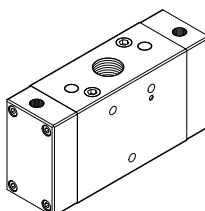
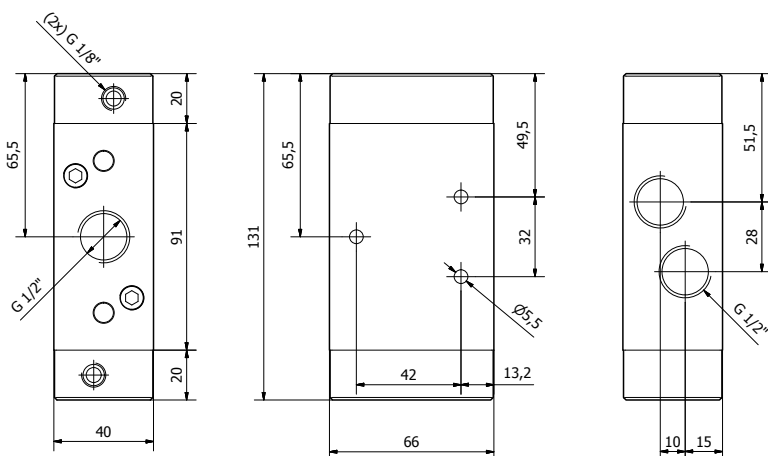
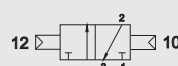
1/2 - 3/2 NO monostable  
**1/2 - 3/2 NO monostabilní**  
 1/2 - 3/2 NA monostabile

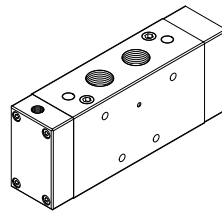
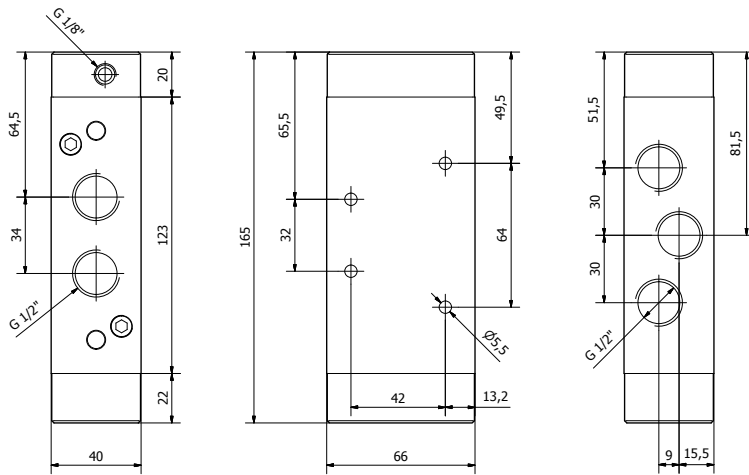
CODE  
**VK23PNMNA-T**



1/2 - 3/2 bistable  
**1/2 - 3/2 bistabilní**  
 1/2 - 3/2 bistabile

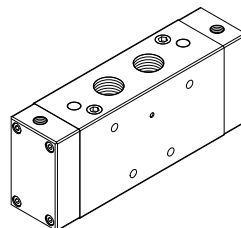
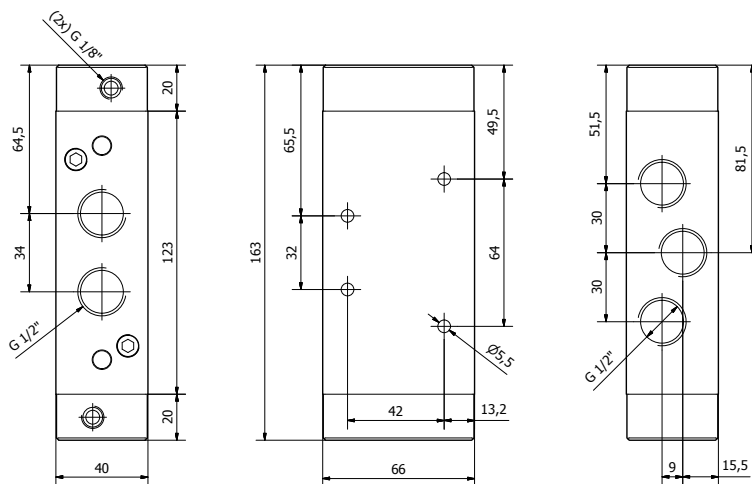
CODE  
**VK23PNB00-T**





1/2 - 5/2 monostable  
**1/2 - 5/2 monostabilní**  
 1/2 - 5/2 monostabile

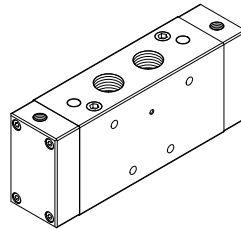
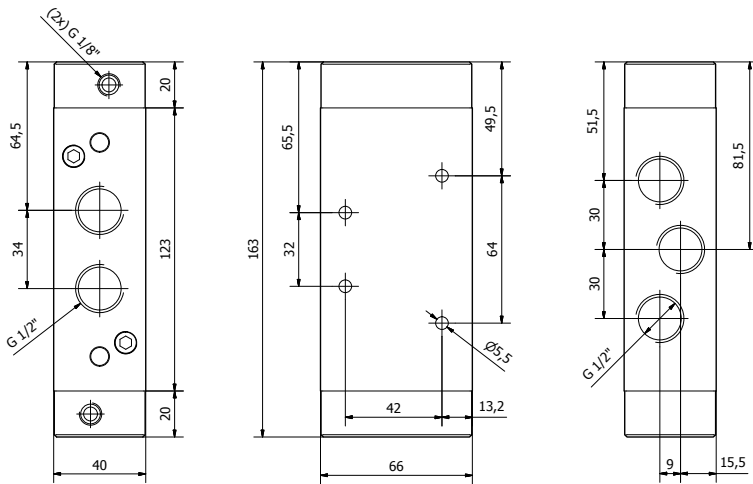
CODE  
**VK25PNM00-T**



1/2 - 5/2 bistable  
**1/2 - 5/2 bistabilní**  
 1/2 - 5/2 bistabile

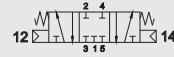
CODE  
**VK25PNB00-T**



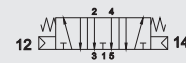


1/2 - 5/3 monostable  
**1/2 - 5/3 monostabilní**  
 1/2 - 5/3 monostabile

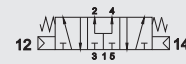
**CODE**  
**VK26PNMCC-T** CC / CF / CC

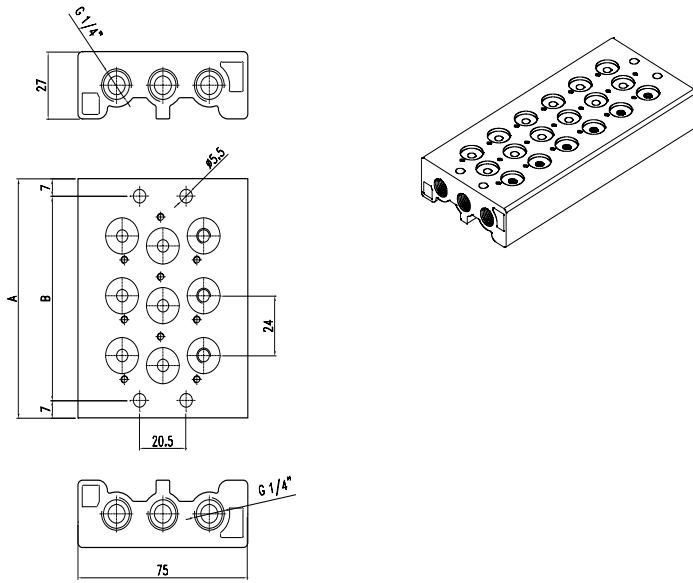


**CODE**  
**VK26PNMCA-T** CO / CO / CA



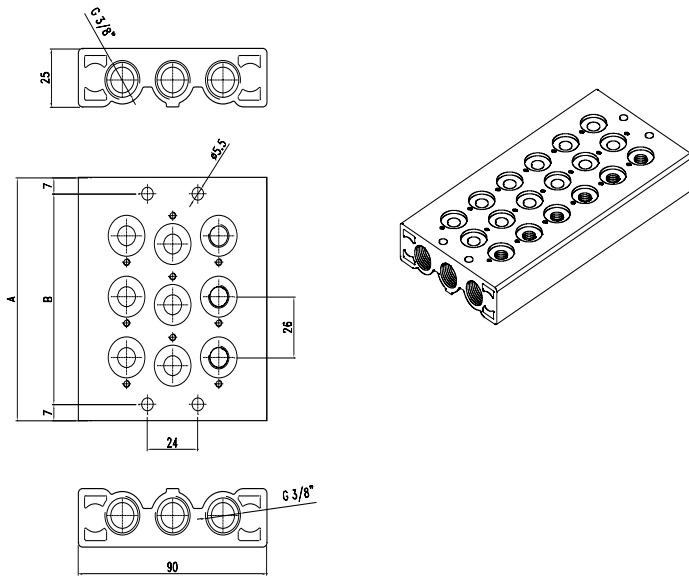
**CODE**  
**VK26PNMCP-T** CP / CP / CP





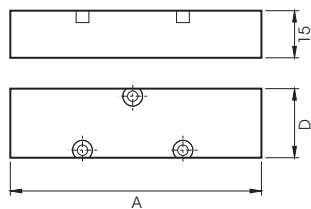
MANIFOLD FOR 1/8 VALVES  
**MANIFOLD PRO 1/8 VENTILY**  
 SOTTOBASE PER VALVOLE 1/8

CODE	STATIONS	A	B
SB407202	2	72	58
SB407203	3	96	82
SB407204	4	120	106
SB407205	5	144	130
SB407206	6	168	154
SB407207	7	192	178
SB407208	8	216	202
SB407209	9	240	226
SB407210	10	264	250



MANIFOLD FOR 1/4 VALVES  
**MANIFOLD PRO 1/4 VENTILY**  
 SOTTOBASE PER VALVOLE 1/4

CODE	STATIONS	A	B
SB407302	2	78	64
SB407303	3	104	90
SB407304	4	130	116
SB407305	5	156	142
SB407306	6	182	168
SB407307	7	208	194
SB407308	8	234	220
SB407309	9	260	246
SB407310	10	286	272



BLANKING PLATE  
**ZÁVĚSNÁ ŠTÍTKA**  
 PIASTRINA DI CHIUSURA

CODE	STATIONS	A	D
SB40720004	1/8	60	22
SB40730004	1/4	70	25



POS introduce the new range of VA valves, designed to answer to the increasing demand of compact dimensions, while keeping solidity and robustness.

Key points: • Small dimensions: 15mm; • Low power consumption: 1W; • Modern and compact design, that facilitates the installation and avoid dirt's accumulation; • Metal components to guarantee long life cycles in harsh environments too; • Flexibility: the valve can be mounted on walls, manifolds e and onto a multipolar system; • 4 different connection types: lower, lateral, DIN 15mm and the newest M8; • Led function indicator, perfectly on sight; • Manual monostable actining; • Manifold with an exclusive modular system.

POS představuje novou řadu ventilů VA, které jsou navrženy tak, aby odpovídaly rostoucí poptávce po kompaktních rozměrech při zachování pevnosti a robustnosti.

Klíčové body: • Malé rozměry: 15 mm; • Nízká spotřeba energie: 1 W; • Moderní a kompaktní design, který usnadňuje instalaci a zabraňuje hromadění nečistot; • Kovové komponenty zaručující také dlouhou životnost v drsném prostředí; • Flexibilita: ventil může být namontován na zdi, rozdělovače a na multipolární systém; • 4 různé typy připojení: spodní, boční, DIN 15 mm a nejnovější M8; • Kontrolka funkce LED, dokonale na dohled; • Ruční monostabilní akce; • Rozdělovač s exkluzivním modulárním systémem.

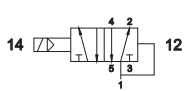
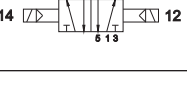


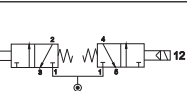
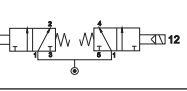
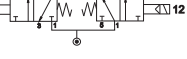

POS presenta la nuova gamma di valvole VA, concepite per rispondere alle sempre maggiori esigenze di avere dimensioni compatte, senza però rinunciare a solidità e robustezza.

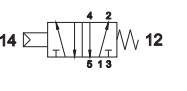
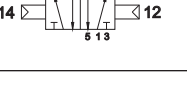
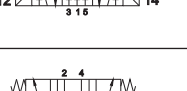
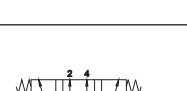
Punti di forza: • Dimensioni ridotte: 15mm; • Basso assorbimento di corrente: 1W; • Design moderno ma soprattutto compatto, che facilita l'installazione ed evita l'accumulo di sporcizia; • Componenti in metallo per garantire lunga durata anche in ambienti difficili; • Flessibilità: la valvola può essere montata singolarmente a parete, su sottobase e su unità a connessione multipolare; • 4 differenti tipi di connessione: inferiore, laterale, DIN 15mm e il nuovissimo M8; • Indicatore led di funzionamento ben s'roubbibile; • Azionamento manuale monostabile; • Sottobase con esclusivo sistema modulare.

## TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

Fluid / Tekutina / Fluido	Lubricated or non lubricated air / Mazaný nebo nemazaný vzduch / Aria con o senza lubrificazione
Max operating pressure / Maximální pracovní tlak / Pressione massima di esercizio	2 ÷ 8 bar
Max working temperature / Maximální teplota použití / Temperatura max di esercizio	-5°C / + 50°C
Flow rate to 6 bar and Δp 1 bar / Průtok à 6 bar Δp 1 bar / Portata a 6 bar e Δp 1 bar	520 Nl/min
Electric tension / Elektrický napětí / Tensione elettrica	24VDC
Tension tolerance / Tolerance napětí / Tolleranza di tensione	± 10%
Power consumption / Jmenovitá spotřeba energie d'energie / Assorbimento	1 W (DC)
Insulation / Isolation / Isolamento	classe F
Valve width / Šířka ventilu / Larghezza valvola	15mm
Air ports / Vzduchová připojení / Attacchi	1/8
Pilots / Iodivod / Comandi	solenoid and pneumatic / elektromagnetický a pneumatický / elettrico e pneumatico

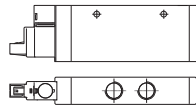
## FAST SELECT / RYCHLÝ VÝBĚR / SELEZIONE RAPIDA

	CODE	TYPE	CONNECTOR
	VA85ELM0031	5/2	M8
	VA85ELM0001	5/2	lateral / boční / laterale
	VA85ELM0011	5/2	lower / dolní / infer.
	VA85ELM0021	5/2	DIN 15 mm
	VA85ELB0031	5/2	M8
	VA85ELB0001	5/2	lateral / boční / laterale
	VA85ELB0011	5/2	lower / dolní / infer.
	VA85ELB0021	5/2	DIN 15 mm
	VA86ELMCC31	5/3	M8
	VA86ELMCC01	5/3	lateral / boční / laterale
	VA86ELMCC11	5/3	lower / dolní / infer.
	VA86ELMCC21	5/3	DIN 15 mm
	VA86ELMCA31	5/3	M8
	VA86ELMCA01	5/3	lateral / boční / laterale
	VA86ELMCA11	5/3	lower / dolní / infer.
	VA86ELMCA21	5/3	DIN 15 mm
	VA86ELMCP31	5/3	M8
	VA86ELMCP01	5/3	lateral / boční / laterale
	VA86ELMCP11	5/3	lower / dolní / infer.
	VA86ELMCP21	5/3	DIN 15 mm
	VA83ELM2C31	3/2 + 3/2 NC-NC	M8
	VA83ELM2C01	3/2 + 3/2 NC-NC	lateral / boční / laterale
	VA83ELM2C11	3/2 + 3/2 NC-NC	lower / dolní / infer.
	VA83ELM2C21	3/2 + 3/2 NC-NC	DIN 15 mm
	VA83ELM2A31	3/2 + 3/2 NO-NO	M8
	VA83ELM2A01	3/2 + 3/2 NO-NO	lateral / boční / laterale
	VA83ELM2A11	3/2 + 3/2 NO-NO	lower / dolní / infer.
	VA83ELM2A21	3/2 + 3/2 NO-NO	DIN 15 mm
	VA83ELM2X31	3/2 + 3/2 NC-NO	M8
	VA83ELM2X01	3/2 + 3/2 NC-NO	lateral / boční / laterale
	VA83ELM2X11	3/2 + 3/2 NC-NO	lower / dolní / infer.
	VA83ELM2X21	3/2 + 3/2 NC-NO	DIN 15 mm

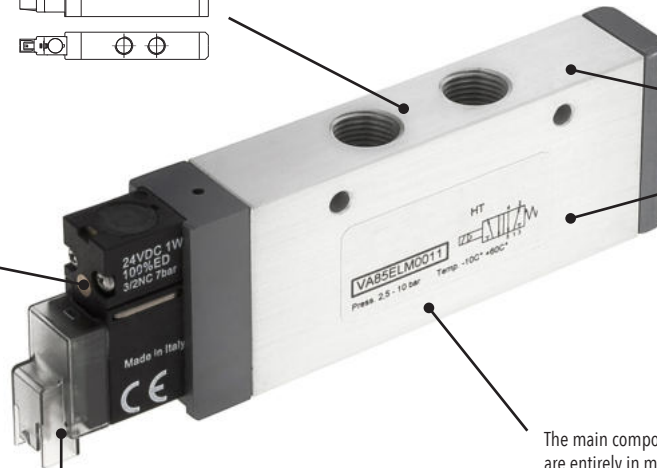
	CODE	TYPE
	VA85PNM00	5/2
	VA85PNB00	5/2
	VA86PNMCC	5/3 CC / CF / CC
	VA86PNMCA	5/3 CO / CO / CA
	VA86PNMCP	5/3 CP / CP / CP
	VA83PNM2C	3/2 + 3/2 NC-NC / NZ-NZ / NC-NC
	VA83PNM2A	3/2 + 3/2 NO-NO / NO-NO / NA-NA
	VA83PNM2X	3/2 + 3/2 NC-NO / NZ-NO / NC-NA

**KEY POINTS / ATOUTS / PUNTI DI FORZA**

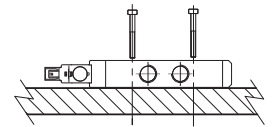
Clean profile and modern design  
Čistý profil a moderní design  
Profilo pulito ed estetica moderna



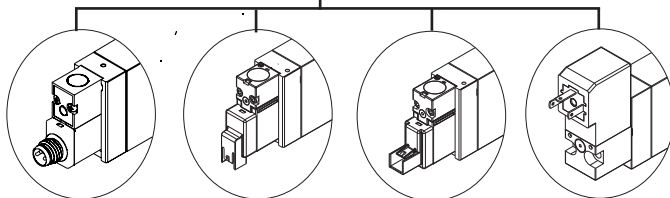
Manual operation simple and safe  
Ruční ovládání jednoduché a bezpečné  
Intervento manuale semplice e sicuro



Smooth surface for stable mounting  
Hladký povrch pro stabilní montáž  
Superfici piate per un montaggio stabile

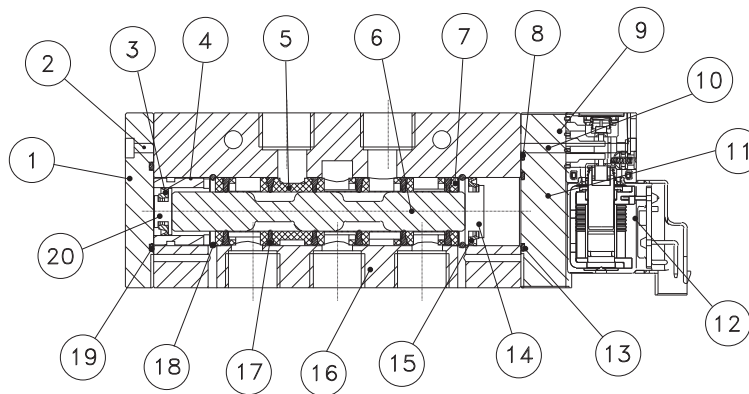


The main components are entirely in metal  
Hlavní komponenty jsou zcela v kovu  
I componenti principali interamente in metallo



4 different types of solenoid / 4 různé typy pilotů / 4 differenti tipologie di elettropiloti

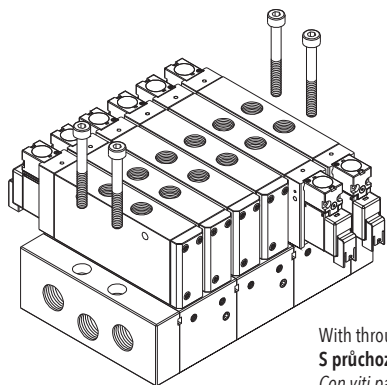
**COMPONENTS / KOMPONENTY / COMPONENTI**



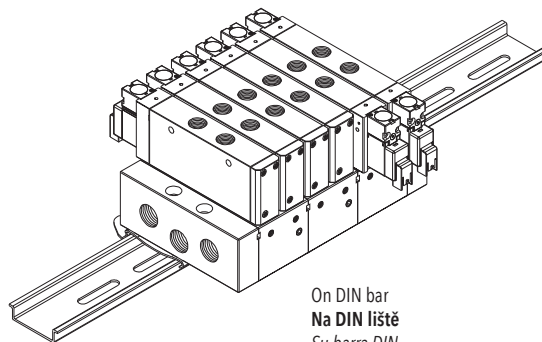
	DESCRIPTION / POPIS / DESCRIZIONE	MATERIAL / MATERIÁL / MATERIALE
1	spring bottom / VÍKO S PRŮŽINOU / fondello molla	plastic and aluminium / <b>plastic et aluminium</b> / plastica e alluminio
2	screw / šroub / vite	steel / <b>ocel</b> / acciaio
3	piston seal / těsnění pistu / guarnizione pistone	NBR
4	adapter / adaptér / adattatore	brass / <b>mosaz</b> / ottone
5	spool distance / mobilní jádro distanciel / distanziale spola	brass / <b>mosaz</b> / ottone
6	spool / šoupátko / spola	aluminium / <b>aluminium</b> / alluminio
7	spool distance / mobilní jádro distanciel / distanziale spola	brass / <b>mosaz</b> / ottone
8	o-ring / O-kroužek	NBR
9	sphere / koule / sfera	steel / <b>ocel</b> / acciaio
10	screw / šroub / vite	steel / <b>ocel</b> / acciaio
11	electric bottom / elektrické dno / fondello elettrico	plastic and aluminium / <b>plastic et aluminium</b> / plastica e alluminio
12	solenoid / solénoide / elettropilota	
13	o-ring / O-kroužek	NBR
14	piston / píst / pistone	brass / <b>mosaz</b> / ottone
15	piston seal / kloub píst / guarnizione pistone	NBR
16	body valve / tělesný ventil / corpo valvola	aluminium / <b>aluminium</b> / alluminio
17	spool seal / kloub du mobilní jádro / guarnizioni spola	NBR
18	elastic ring / seeger / seeger	steel / <b>ocel</b> / acciaio
19	o-ring / O-kroužek	NBR
20	piston seal / kloub píst / guarnizione pistone	brass / <b>mosaz</b> / ottone



**MOUNTING SYSTEM / MONTÁŽNÍ SYSTÉM / SISTEMA DI FISSAGGIO**

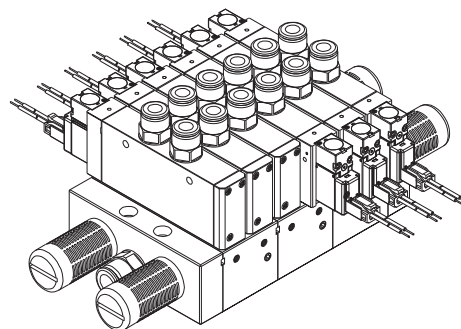
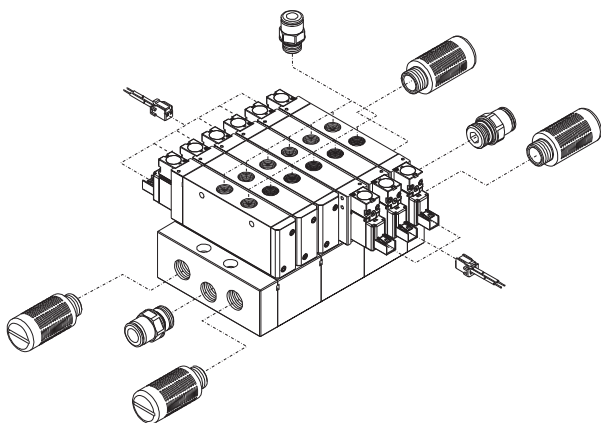


With through screws  
**S průchozími šrouby**  
*Con viti passanti*

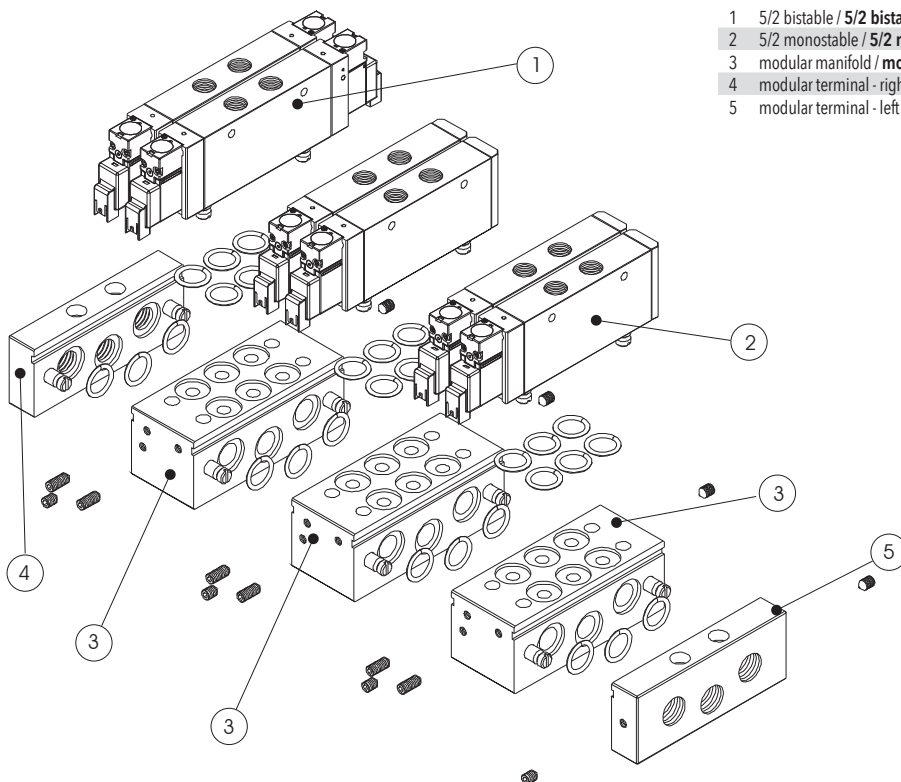


On DIN bar  
**Na DIN liště**  
*Su barra DIN*

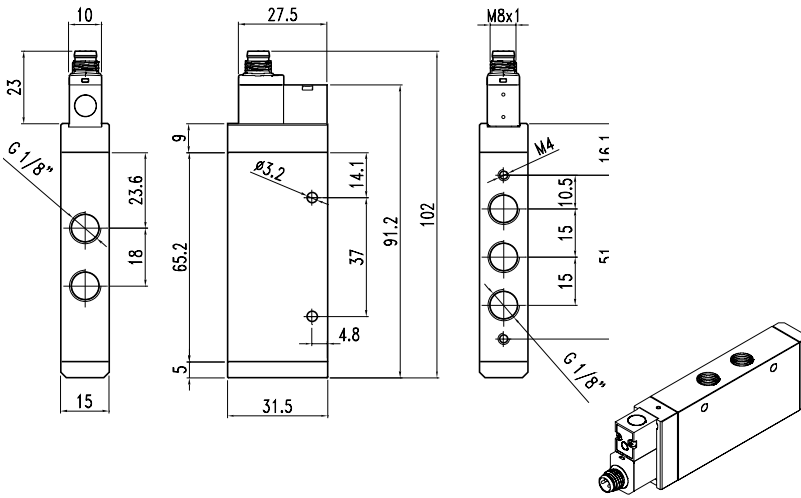
**CONNECTION SYSTEM / PŘIPOJOVACÍ SYSTÉM / SISTEMA DI CONNESSIONE**



**PART LIST / SEZNAM SOUČÁSTÍ / ESPLOSO**

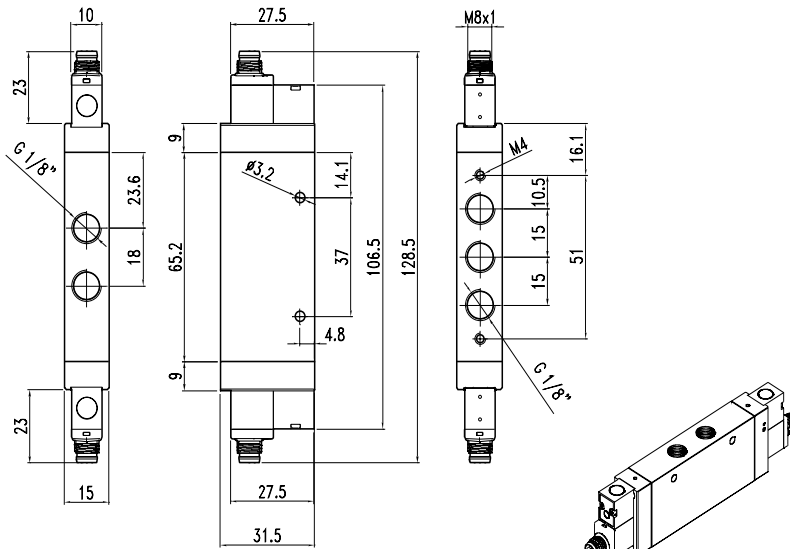
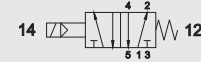


- 1 5/2 bistable / **5/2 bistabilní** / 5/2 bistabile
- 2 5/2 monostable / **5/2 monostabilní** / 5/2 monostabile
- 3 modular manifold / **modulární potrubí** / base modulare
- 4 modular terminal - right / **modulární terminál - vpravo** / terminale destro
- 5 modular terminal - left / **modulární terminál - vlevo** / terminale sinistro



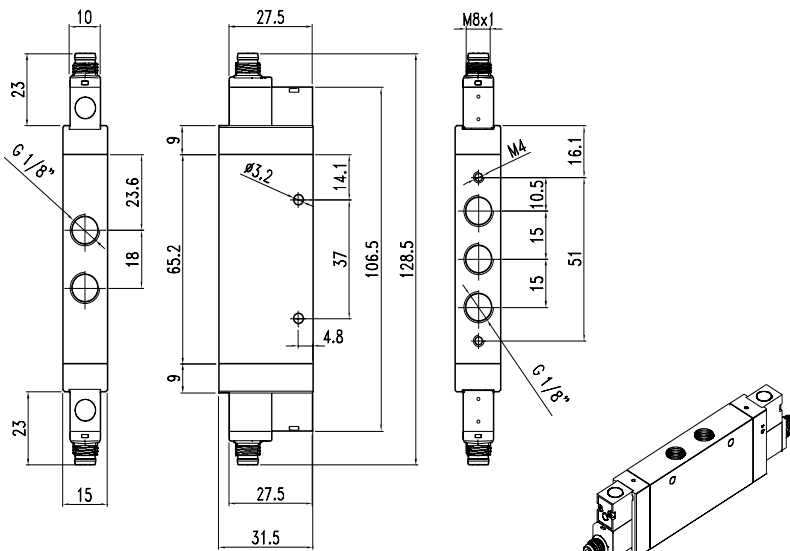
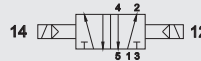
1/8 - 5/2 monostable M8 connector  
**1/8 - 5/2 monostabilní konektor M8**  
 1/8 - 5/2 monostabile connettore M8

CODE  
**VA85ELM0031**



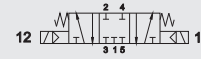
1/8 - 5/2 bistable M8 connector  
**1/8 - 5/2 bistabilní konektor M8**  
 1/8 - 5/2 bistabile connettore M8

CODE  
**VA85ELB0031**



1/8 - 5/3 monostable M8 connector  
**1/8 - 5/3 monostabilní konektor M8**  
 1/8 - 5/3 monostabile connettore M8

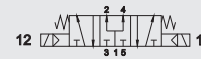
CODE  
**VA86ELMCC31** CC / CF / CC

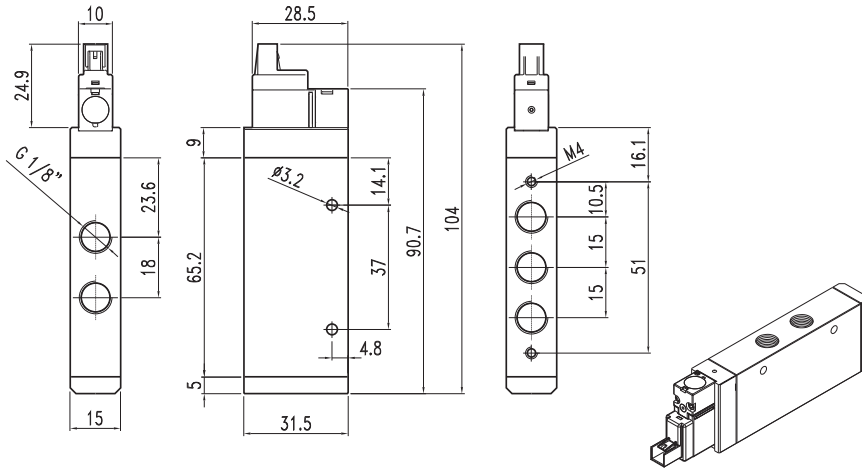


CODE  
**VA86ELMCA31** CO / CO / CA



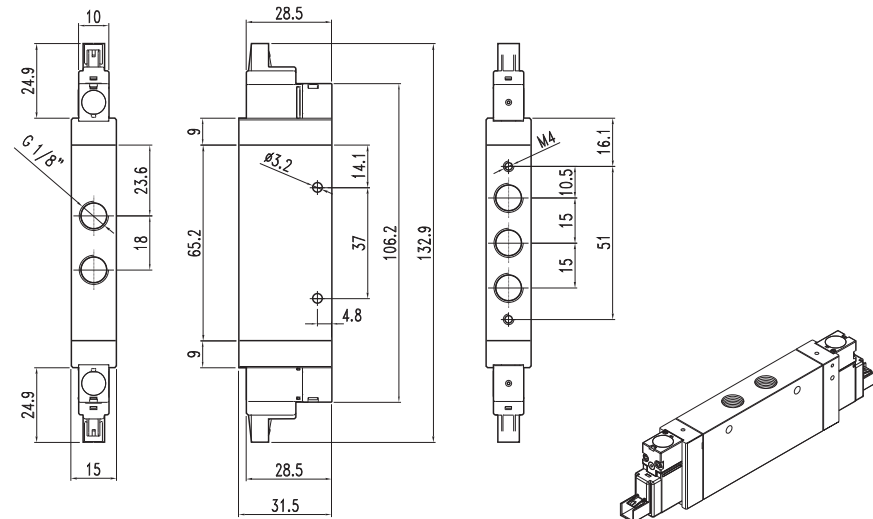
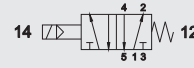
CODE  
**VA86ELMCP31** CP / CP / CP





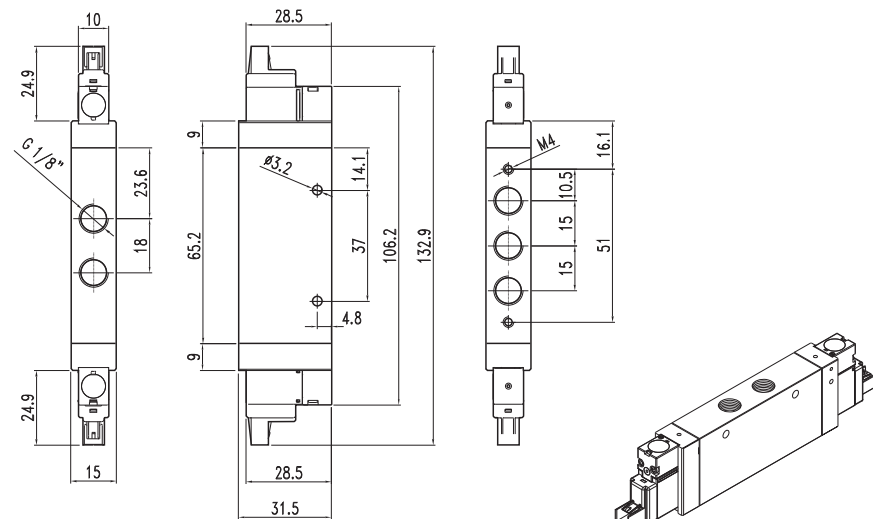
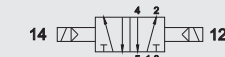
1/8 - 5/2 monostable lateral connector  
**1/8 - 5/2 monostabilní konektor boční**  
 1/8 - 5/2 monostabile connettore laterale

**CODE**  
**VA85ELM0001**



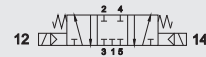
1/8 - 5/2 bistable lateral connector  
**1/8 - 5/2 bistabilní konektor boční**  
 1/8 - 5/2 bistabile connettore laterale

**CODE**  
**VA85ELB0001**



1/8 - 5/3 monostable lateral connector  
**1/8 - 5/3 monostabilní boční konektor**  
 1/8 - 5/3 monostabile connettore laterale

**CODE**  
**VA86ELMCC01** CC / CF / CC

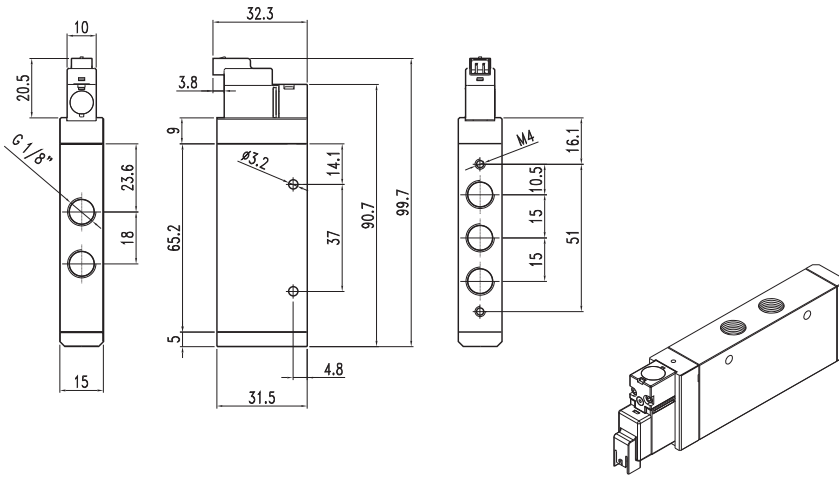


**CODE**  
**VA86ELMCA01** CO / CO / CA



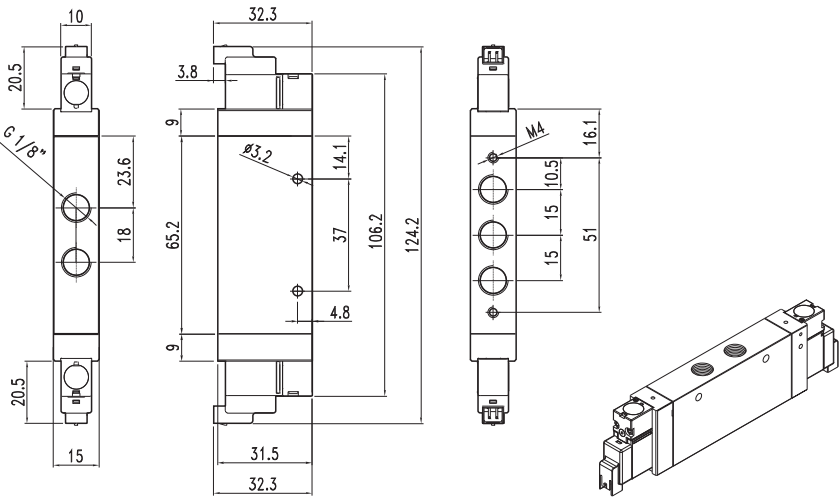
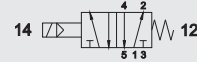
**CODE**  
**VA86ELMCP01** CP / CP / CP





1/8 - 5/2 monostable lower connector  
**1/8 - 5/2 monostabilní konektor dolní**  
 1/8 - 5/2 monostabile connettore inferiore

**CODE**  
**VA85ELM0011**



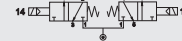
1/8 - 5/2 bistable lower connector  
**1/8 - 5/2 bistabilní konektor dolní**  
 1/8 - 5/2 bistabile connettore inferiore

**CODE**  
**VA85ELB0011**

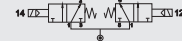


1/8 - 3/2 + 3/2 monostable lower connector  
**1/8 - 3/2 + 3/2 monostabilní konektor dolní**  
 1/8 - 3/2 + 3/2 monostabile connettore inferiore

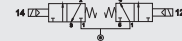
**CODE**  
**VA83ELM2C11** NC+NC / NZ+NZ / NC+NC



**CODE**  
**VA83ELM2A11** NO+NO / NO+NO / NA+NA

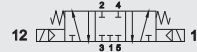


**CODE**  
**VA83ELM2X11** NC+NO / NZ+NO / NC+NA



1/8 - 5/3 monostable lower connector  
**1/8 - 5/3 monostabilní konektor dolní**  
 1/8 - 5/3 monostabile connettore inferiore

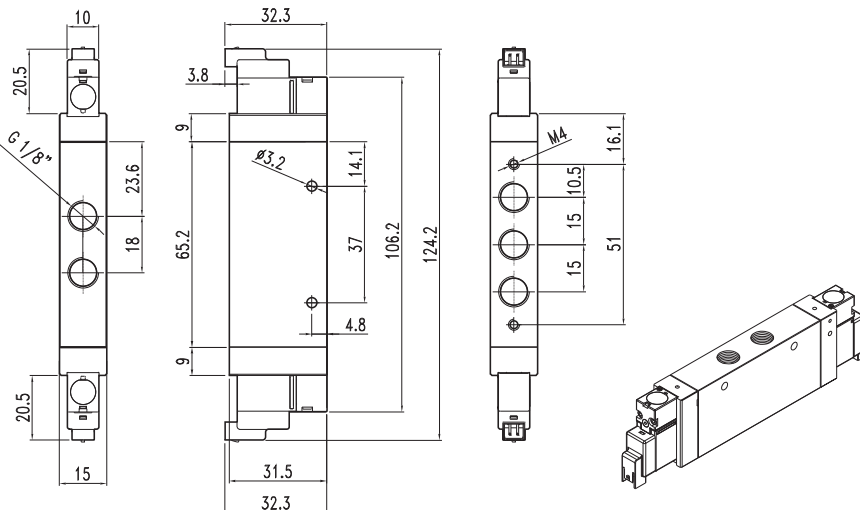
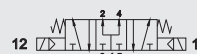
**CODE**  
**VA86ELMCC11** CC / CF / CC

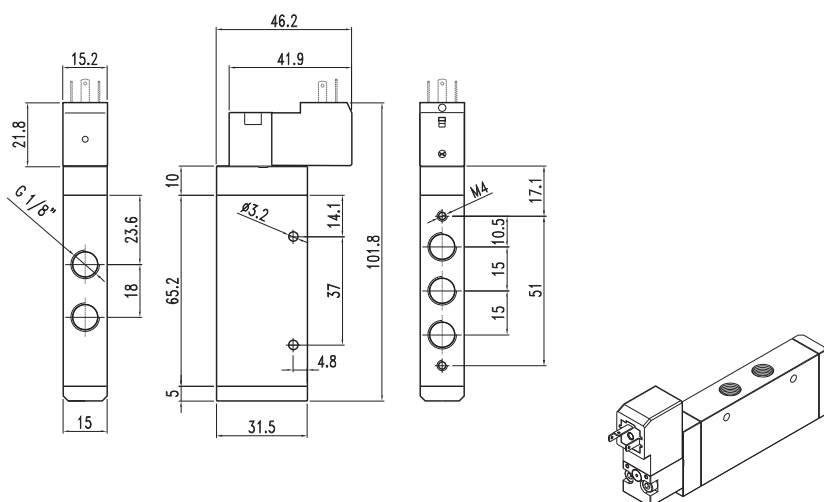


**CODE**  
**VA86ELMCA11** CO / CO / CA



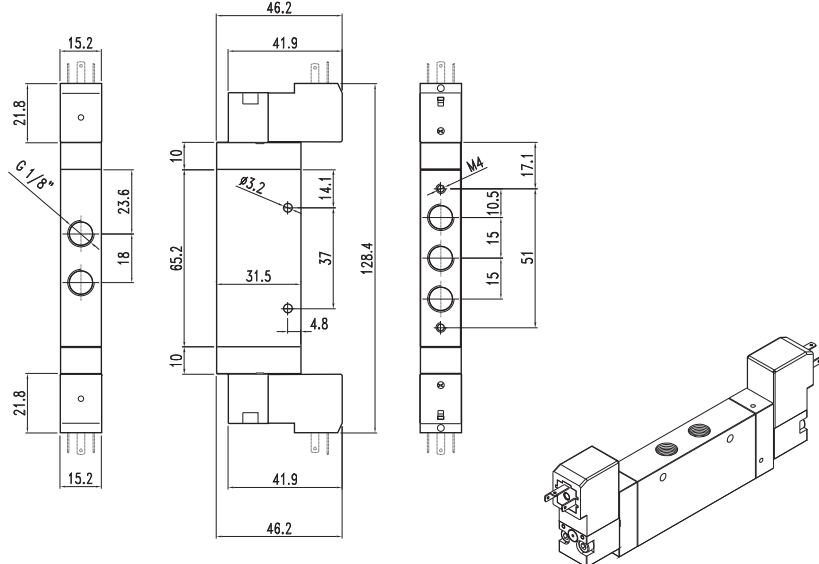
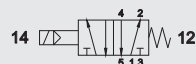
**CODE**  
**VA86ELMCP11** CP / CP / CP





1/8 - 5/2 monostable DIN 15mm  
**1/8 - 5/2 monostabilní DIN 15mm**  
 1/8 - 5/2 monostabile DIN 15mm

CODE  
**VA85ELM0021**



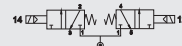
1/8 - 5/2 bistable DIN 15mm  
**1/8 - 5/2 bistabilní DIN 15mm**  
 1/8 - 5/2 bistabile DIN 15mm

CODE  
**VA85ELB0021**

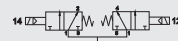


1/8 - 3/2 + 3/2 monostable DIN 15mm  
**1/8 - 3/2 + 3/2 monostabilní DIN 15mm**  
 1/8 - 3/2 + 3/2 monostabile DIN 15mm

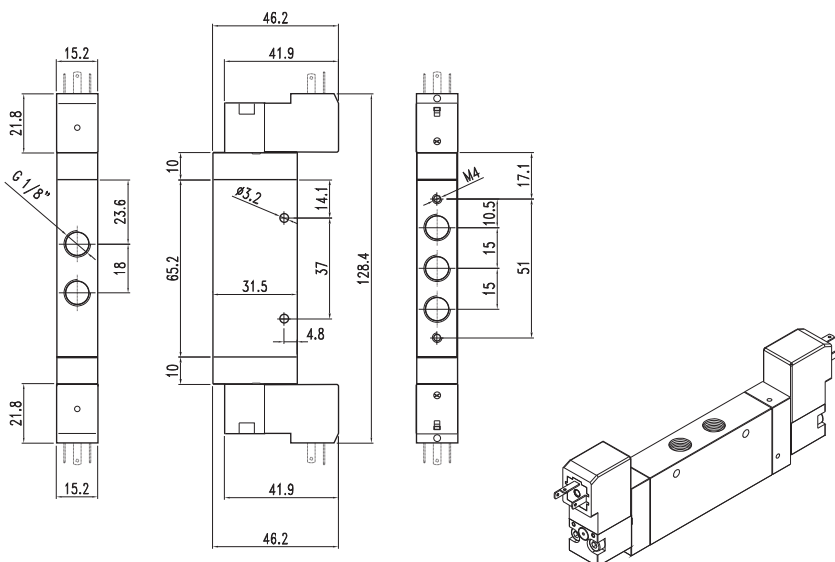
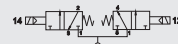
CODE  
**VA83ELM2C21** NC+NC / NZ+NZ / NC+NC



CODE  
**VA83ELM2A21** NO+NO / NO+NO / NA+NA



CODE  
**VA83ELM2X21** NC+NO / NZ+NO / NC+NA



1/8 - 5/3 monostable DIN 15mm  
**1/8 - 5/3 monostabilní DIN 15mm**  
 1/8 - 5/3 monostabile DIN 15mm

CODE  
**VA86ELMCC21** CC / CF / CC

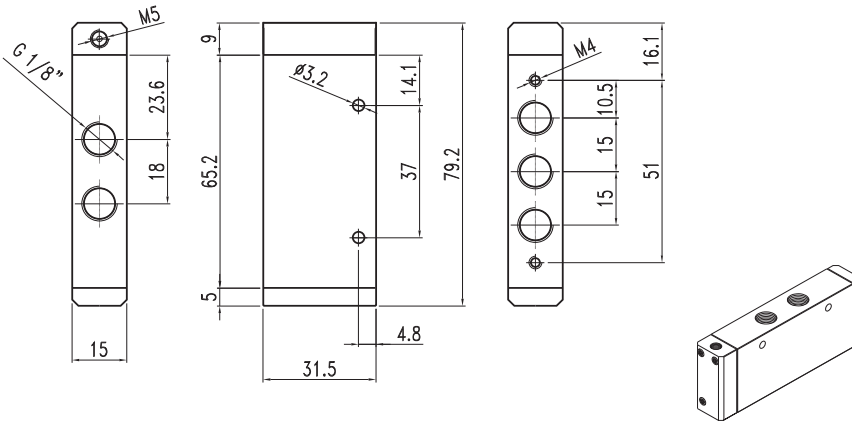


CODE  
**VA86ELMCA21** CO / CO / CA



CODE  
**VA86ELMCP21** CP / CP / CP





1/8 - 5/2 monostable  
**1/8 - 5/2 monostabilní**  
 1/8 - 5/2 monostabile

CODE  
**VA85PNM00**



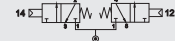
1/8 - 5/2 bistable  
**1/8 - 5/2 bistabilní**  
 1/8 - 5/2 bistabile

CODE  
**VA85PNB00**

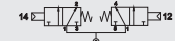


1/8 - 3/2 + 3/2 monostable  
**1/8 - 3/2 + 3/2 monostabilní**  
 1/8 - 3/2 + 3/2 monostabile

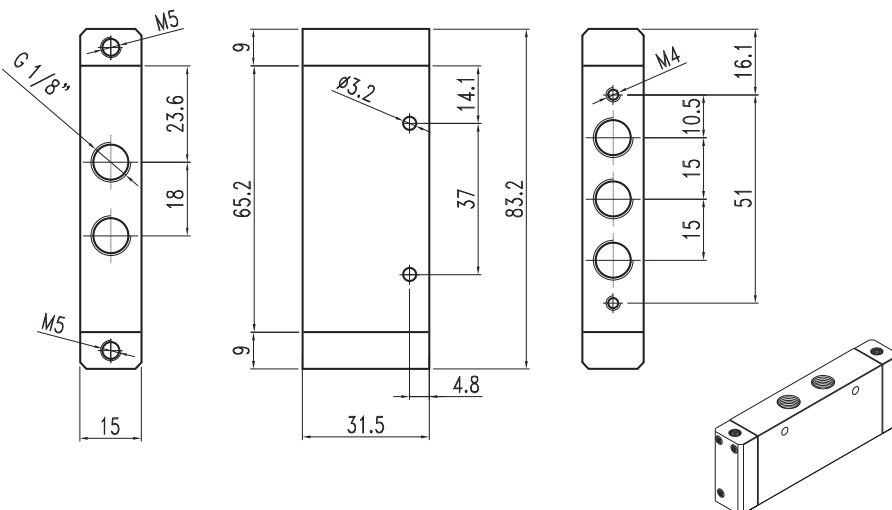
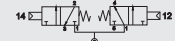
CODE  
**VA83PNM2C00** NC+NC / NZ+NZ / NC+NC



CODE  
**VA83PNM2A00** NO+NO / NO+NO / NA+NA



CODE  
**VA83PNM2X00** NC+NO / NZ+NO / NC+NA



1/8 - 5/3 monostable  
**1/8 - 5/3 monostabilní**  
 1/8 - 5/3 monostabile

CODE  
**VA86PNMCC** CC / CF / CC

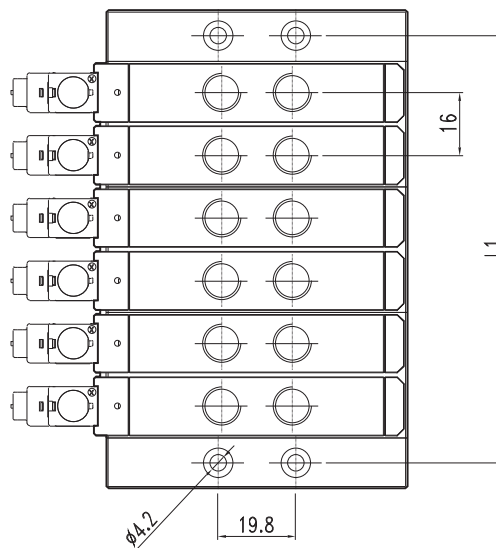
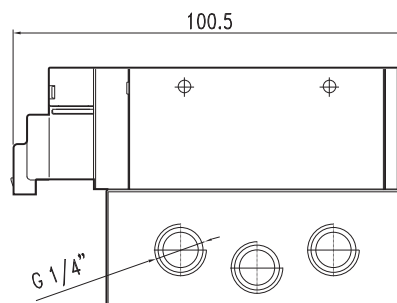
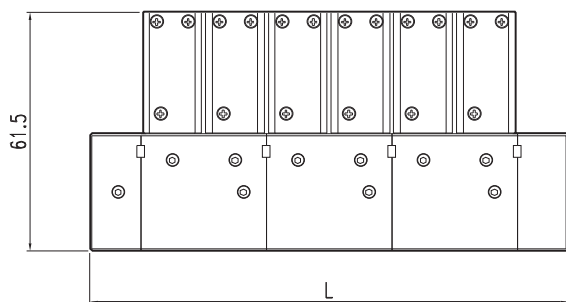
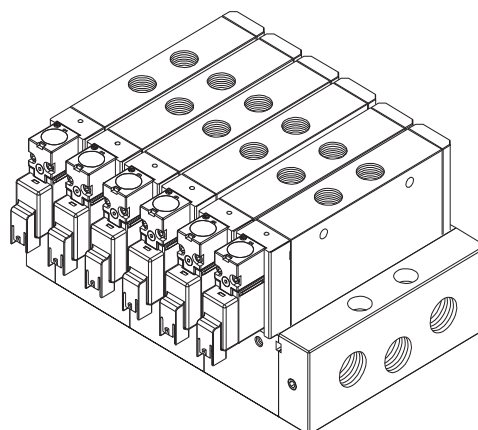


CODE  
**VA86PNMCA** CO / CO / CA



CODE  
**VA86PNMCP** CP / CP / CP

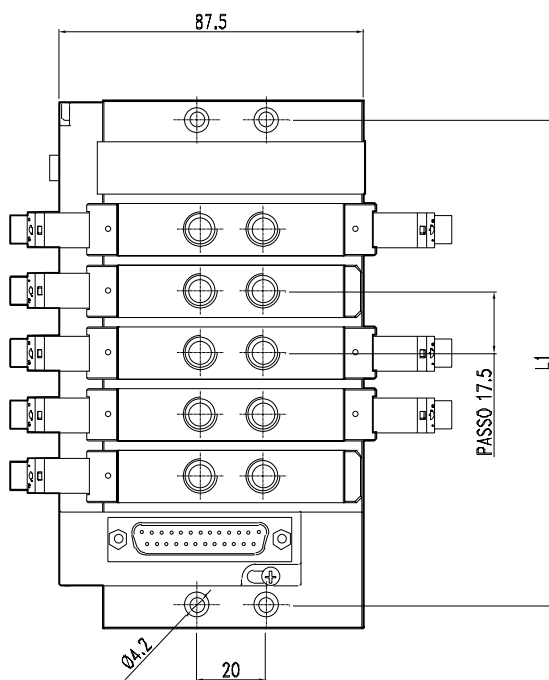
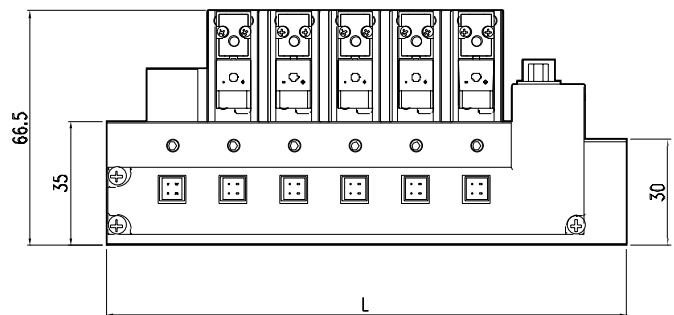
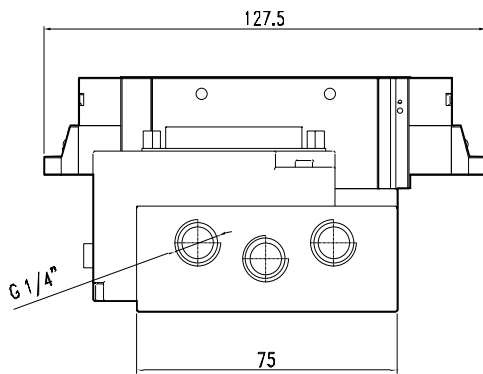
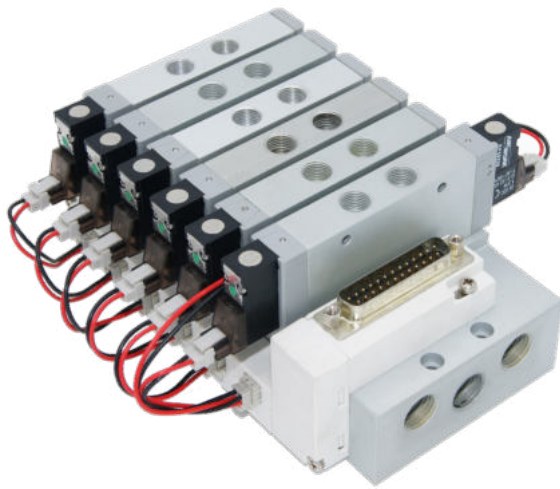




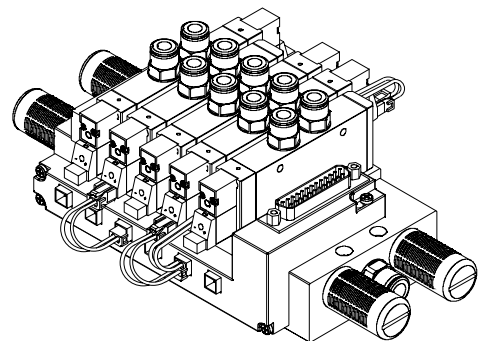
N° POS	L	L1
2	58	45
4	90	77
6	122	109
8	154	141
10	186	173
12	218	205
14	250	237
16	282	269
18	314	301
20	346	333
22	378	365

**VA SERIES SOLENOID VALVES WITH MULTIPOLAR CONNECTION / VÍCE KONEKTOROVÝ SYSTÉM PRO SÉRIE VA**  
**ISOLA ELETTROVALVOLE SERIE VA CON CONNESSIONE MULTIPOLARE**

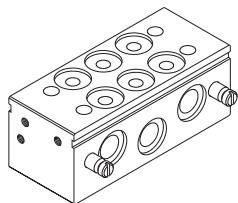
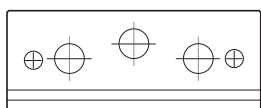
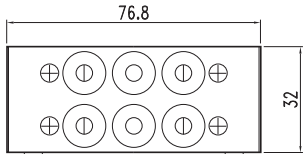
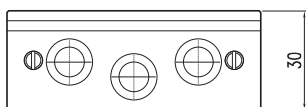
For information, contact our sales department.  
**Pro více informací kontaktujte naše obchodní oddělení**  
*Per maggiori informazioni, per favore contattare il nostro ufficio commerciale.*



N° POS	L	L1
2	79.5	67.5
4	114.5	102.5
6	149.5	137.5
8	184.5	172.5
10	219.5	207.5
12	254.5	242.5

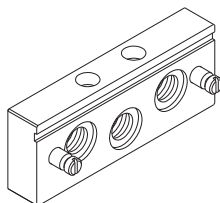
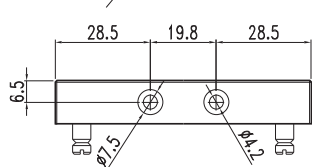
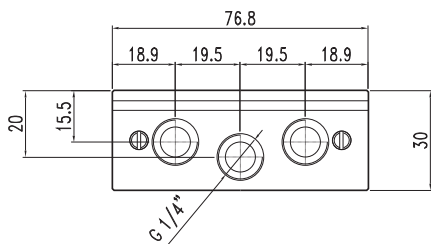
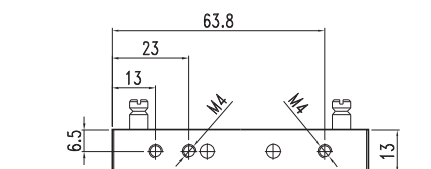






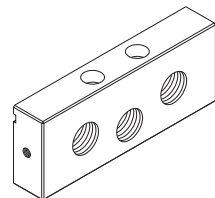
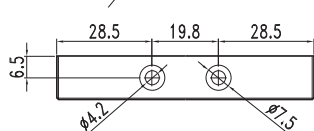
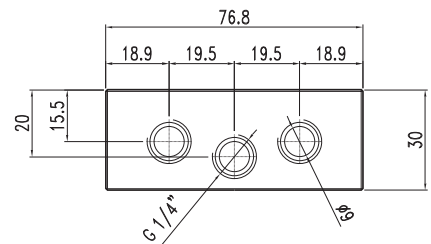
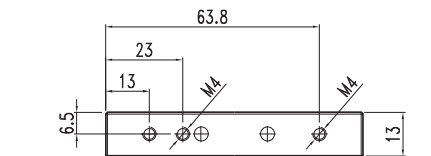
MODULAR MANIFOLD  
**MODULÁRNÍ MANIFOLD**  
BASE MODULARE

CODE  
SB408211



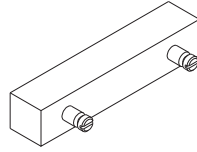
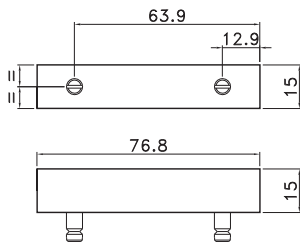
TERMINAL RIGHT  
**TERMINÁL V PRAVO**  
TERMINALE DESTRO

CODE  
SB408212



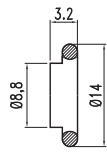
MODULAR TERMINAL LEFT  
**MODULÁRNÍ TERMINÁL V LEVO**  
TERMINALE SINISTRO

CODE  
SB408213



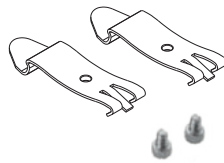
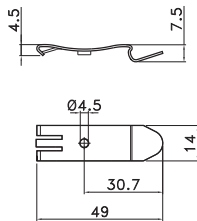
BRAKING PLATE  
**ZÁSLEPKA**  
PIASTRINA DI CHIUSURA

CODE  
SB408214



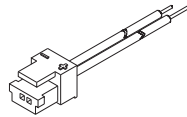
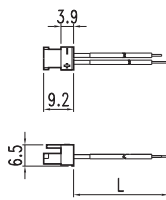
DIAPHRAGM SEAL  
**TĚSNĚNÍ**  
GUARNIZIONE DIAFRAMMA

CODE  
SB408215



KIT ASSEMBLING ON DIN RAIL  
**MONTÁŽ SADY NA DIN RAIL**  
KIT STAFFE PER FISSAGGIO GUIDA DIN

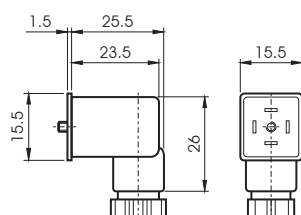
CODE  
SB408216



L = 300 mm  
L = 500 mm  
L = 1000 mm

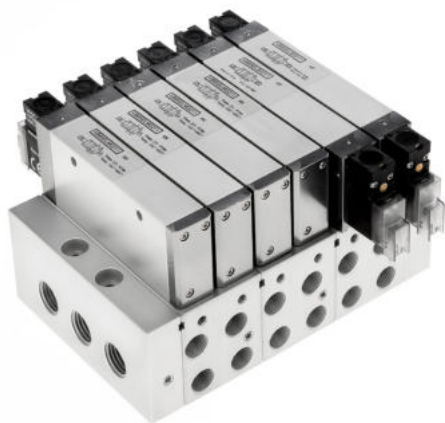
CONNECTOR  
**KONEKTORY**  
CONNETTORE

CODE	DES.
VX0048	300mm
VX0049	500mm
VX0050	1000mm



CONNECTORS  
**KONEKTORY**  
CONNETTORI

CODE	DES.
VX0020	STANDARD
VX0021	LED 24V
VX0022	LED 110V
VX0023	LED 220V
VX0024	LED VDR 24V
VX0025	LED VDR 110V
VX0026	LED VDR 220V



POS introduce the new range of VB valves, designed to answer to the increasing demand of compact dimensions, while keeping solidity and robustness.

Key points: • Small dimensions: 15mm; • Low power consumption: 1W; • Modern and compact design, that facilitates the installation and avoid dirt's accumulation; • Metal components to guarantee long life cycles in harsh environments too; • 4 different connection types: lower, lateral, DIN 15mm and the newest M8; • Led function indicator, perfectly on sight; • Manual monostable actuating; • Manifold with an exclusive modular system.

POS představuje novou řadu ventilů VB, které jsou navrženy tak, aby odpovídaly rostoucí poptávce po kompaktních rozměrech při zachování pevnosti a odolnosti.

Klíčové body: • Malé rozměry: 15 mm; • Nízká spotřeba energie: 1 W; • Moderní a kompaktní design, který usnadňuje instalaci a zabraňuje hromadění nečistot; • Kovové komponenty zaručující také dlouhou životnost v drsném prostředí; • 4 různé typy připojení: spodní, boční, DIN 15 mm a nejnovější M8; • Kontrolka funkce LED, dokonale na dohled; • Ruční monostabilní akce; • Rozdělovač s exkluzivním modulárním systémem.

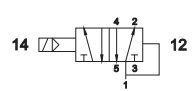
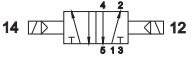
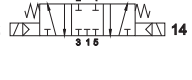
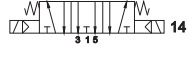

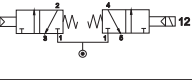
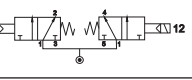
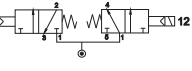
POS presenta la nuova gamma di valvole VB, concepite per rispondere alle sempre maggiori esigenze di avere dimensioni compatte, senza però rinunciare a solidità e robustezza.

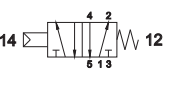
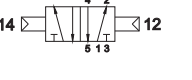
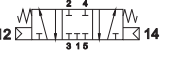

Punti di forza: • Dimensioni ridotte: 15mm; • Basso assorbimento di corrente: 1W; • Design moderno ma soprattutto compatto, che facilita l'installazione ed evita l'accumulo di sporcizia; • Componenti in metallo per garantire lunga durata anche in ambienti difficili; • 4 differenti tipi di connessione: inferiore, laterale, DIN 15mm e il nuovissimo M8; • Indicatore led di funzionamento ben sruovibile; • Azionamento manuale monostabile; • Sottobase con esclusivo sistema modulare.

## TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

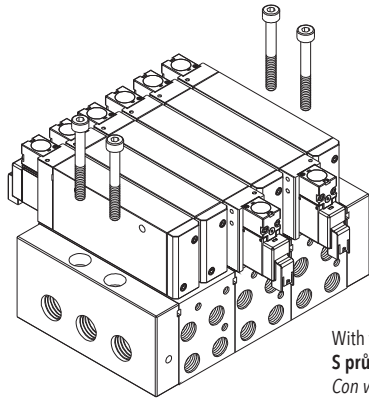
Fluid / Tekutina / Fluido	Lubricated or non lubricated air / Mazaný nebo nemazaný vzduch / Aria con o senza lubrificazione
Max operating pressure / Maximální pracovní tlak / Pressione massima di esercizio	2 ÷ 8 bar
Max working temperature / Maximální teplota použití / Temperatura max di esercizio	-5°C + 50°C
Flow rate to 6 bar and Δp 1 bar / Průtok až 6 bar Δp 1 bar / Portata a 6 bar e Δp 1 bar	500 Nl/min
Electric tension / Elektrické napětí / Tensione elettrica	24VDC
Tension tolerance / Tolerance napětí / Tolleranza di tensione	± 10%
Power consumption / Jmenovitá spotřeba energie d'energie / Assorbimento	1 W (DC)
Insulation / Isolation / Isolamento	classe F
Valve width / Šířka ventilu / Larghezza valvola	15mm
Air ports / Vzduchová připojení / Attacchi	1/8
Pilots / Přikazy / Comandi	solenoid and pneumatic / elektrické a pneumatické / elettrico e pneumatico

## FAST SELECT / RYCHLÝ VÝBĚR / SELEZIONE RAPIDA

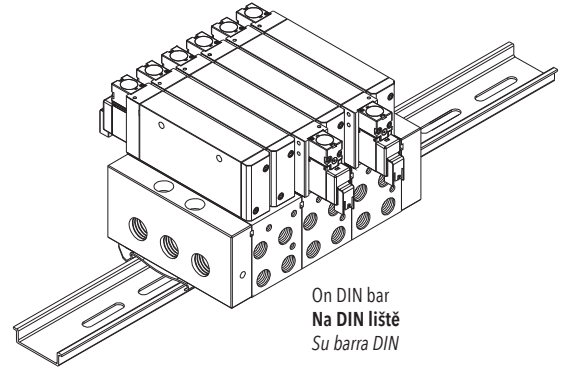
	CODE	TYPE	CONNECTOR
	VB85ELM0031	5/2	M8
	VB85ELM0001	5/2	lateral / boční / laterale
	VB85ELM0011	5/2	lower / dolní / infer.
	VB85ELM0021	5/2	DIN 15 mm
	VB85ELB0031	5/2	M8
	VB85ELB0001	5/2	lateral / boční / laterale
	VB85ELB0011	5/2	lower / dolní / infer.
	VB85ELB0021	5/2	DIN 15 mm
	VB86ELMCC31	5/3	M8
	VB86ELMCC01	5/3	lateral / boční / laterale
	VB86ELMCC11	5/3	lower / dolní / infer.
	VB86ELMCC21	5/3	DIN 15 mm
	VB86ELMCA31	5/3	M8
	VB86ELMCA01	5/3	lateral / boční / laterale
	VB86ELMCA11	5/3	lower / dolní / infer.
	VB86ELMCA21	5/3	DIN 15 mm
	VB86ELMCP31	5/3	M8
	VB86ELMCP01	5/3	lateral / boční / laterale
	VB86ELMCP11	5/3	lower / dolní / infer.
	VB86ELMCP21	5/3	DIN 15 mm
	VB83ELM2C31	3/2 + 3/2 NC-NC	M8
	VB83ELM2C01	3/2 + 3/2 NC-NC	lateral / boční / laterale
	VB83ELM2C11	3/2 + 3/2 NC-NC	lower / dolní / infer.
	VB83ELM2C21	3/2 + 3/2 NC-NC	DIN 15 mm
	VB83ELM2A31	3/2 + 3/2 NO-NO	M8
	VB83ELM2A01	3/2 + 3/2 NO-NO	lateral / boční / laterale
	VB83ELM2A11	3/2 + 3/2 NO-NO	lower / dolní / infer.
	VB83ELM2A21	3/2 + 3/2 NO-NO	DIN 15 mm
	VB83ELM2X31	3/2 + 3/2 NC-NO	M8
	VB83ELM2X01	3/2 + 3/2 NC-NO	lateral / boční / laterale
	VB83ELM2X11	3/2 + 3/2 NC-NO	lower / dolní / infer.
	VB83ELM2X21	3/2 + 3/2 NC-NO	DIN 15 mm

	CODE	TYPE
	VB85PNM00	5/2
	VB85PNB00	5/2
	VB86PNMCC	5/3 CC / CF / CC
	VB86PNMCA	5/3 CO / CO / CA
	VB86PNMCP	5/3 CP / CP / CP
	VB83PNM2C	3/2 + 3/2 NC-NC / NZ-NZ / NC-NC
	VB83PNM2A	3/2 + 3/2 NO-NO / NO-NO / NA-NA
	VB83PNM2X	3/2 + 3/2 NC-NO / NZ-NO / NC-NA

**MOUNTING SYSTEM / MONTÁŽNÍ SYSTÉM / SISTEMA DI FISSAGGIO**

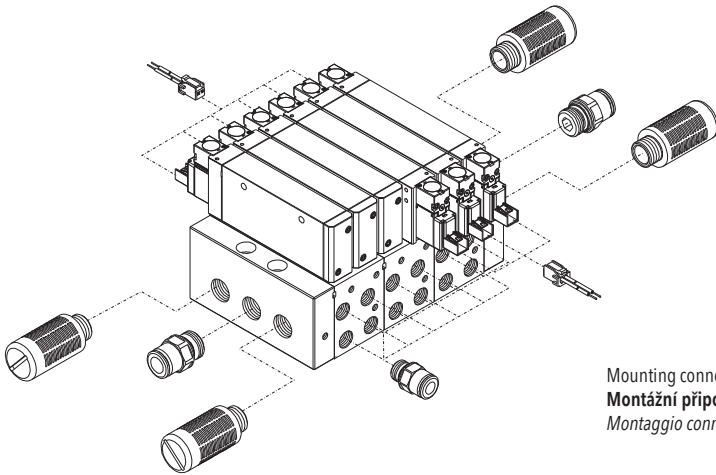


With through screws  
**S průchozími šrouby**  
*Con viti passanti*

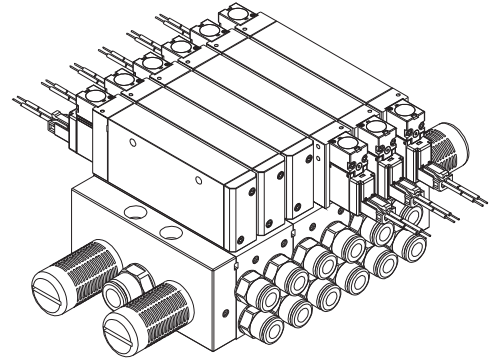


On DIN bar  
**Na DIN liště**  
*Su barra DIN*

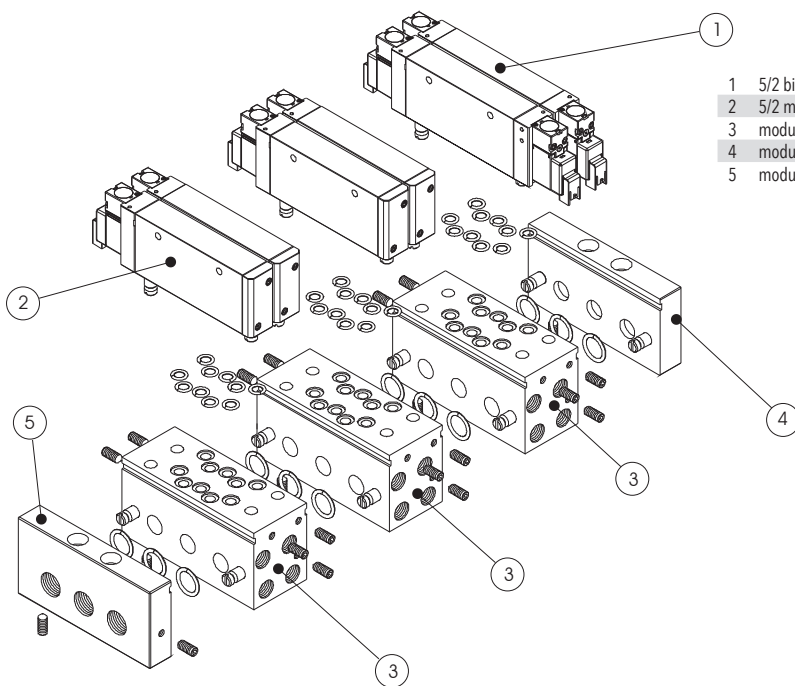
**CONNECTION SYSTEM / PŘIPOJOVACÍ SYSTÉM / SISTEMA DI CONNESSIONE**



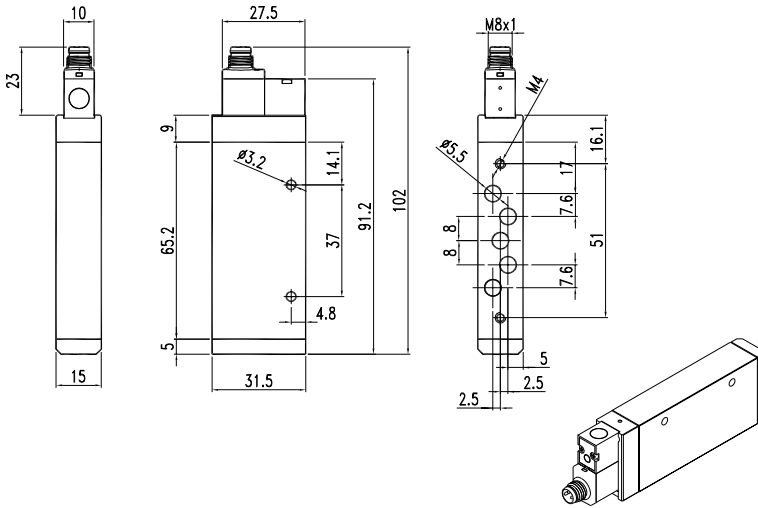
Mounting connections  
**Montážní připojení**  
*Montaggio connessioni*



**PART LIST / SEZNAM SOUČÁSTÍ / ESPLOSO**

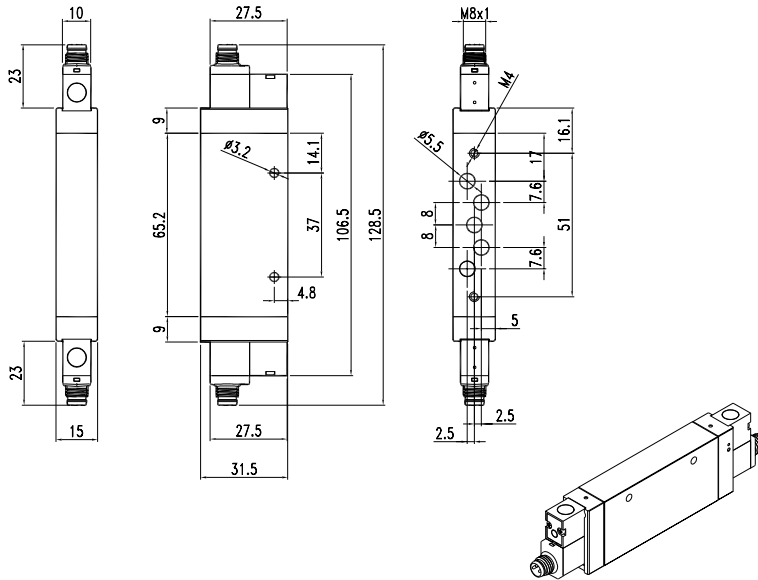
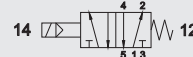


- 1 5/2 bistable / **5/2 bistabilní** / 5/2 bistabile
- 2 5/2 monostable / **5/2 monostabilní** / 5/2 monostabile
- 3 modular manifold / **modulární potrubí** / base modulare
- 4 modular terminal - right / **modulární terminál - vpravo** / terminale destro
- 5 modular terminal - left / **modulární terminál - vlevo** / terminale sinistro



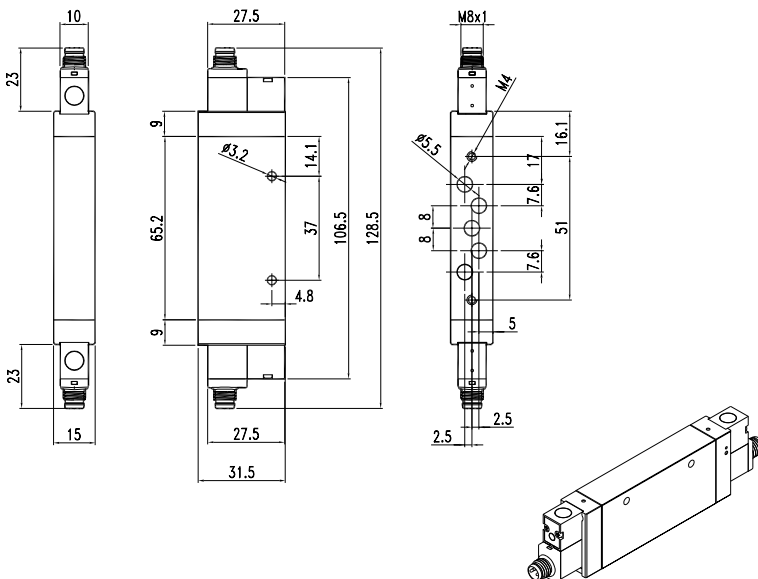
5/2 monostable M8 connector  
**5/2 monostabilní konektor M8**  
 5/2 monostabile connettore M8

CODE  
**VB85ELM0031**



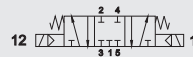
5/2 bistable M8 connector  
**5/2 bistabilní konektor M8**  
 5/2 bistabile connettore M8

CODE  
**VB85ELB0031**



5/3 monostable M8 connector  
**5/3 monostabilní konektor M8**  
 5/3 monostabile connettore M8

CODE  
**VB86ELMCC31** CC / CF / CC

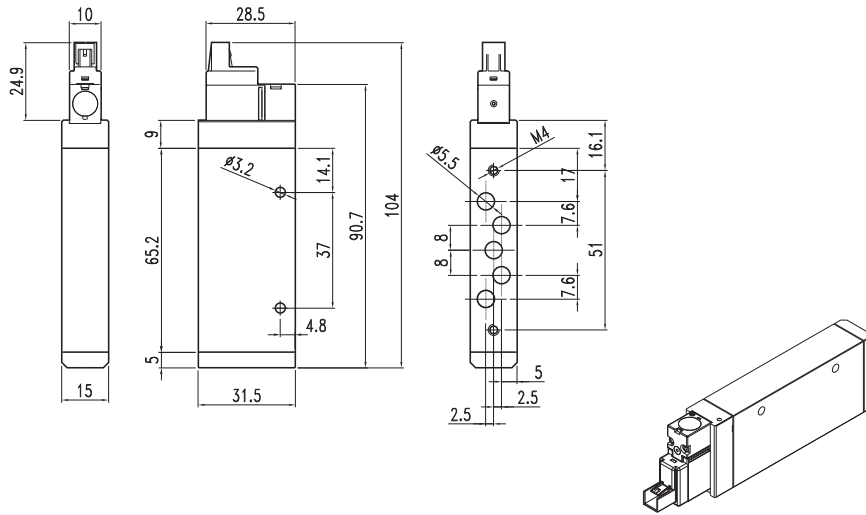


CODE  
**VB86ELMCA31** CO / CO / CA



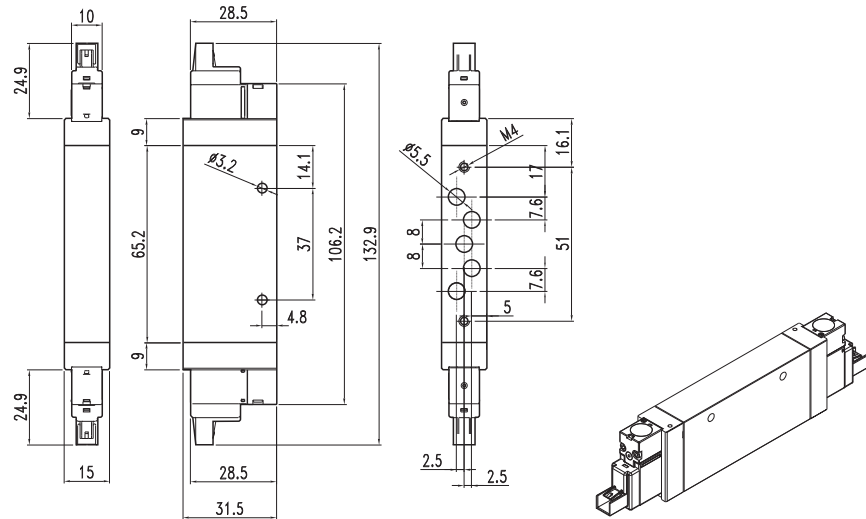
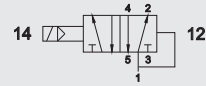
CODE  
**VB86ELMCP31** CP / CP / CP





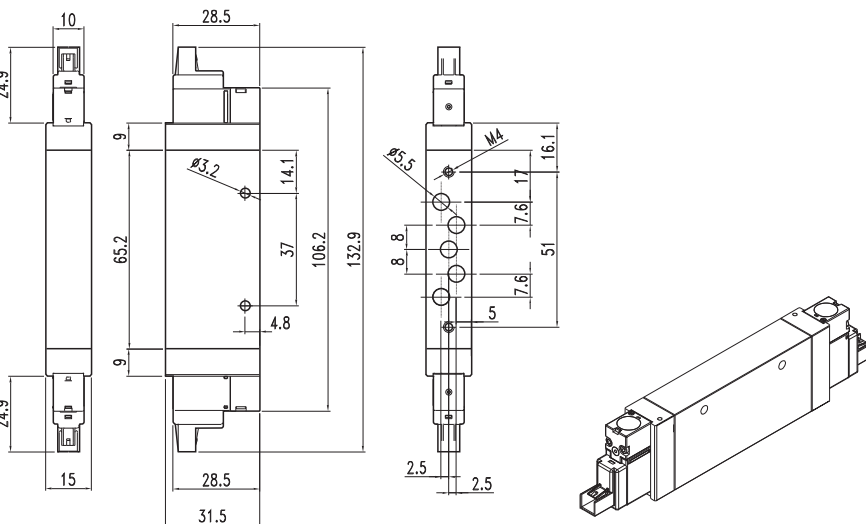
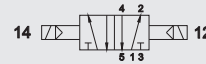
5/2 monostable lateral connector  
**5/2 monostabilní boční konektor**  
 5/2 monostabile connettore laterale

CODE  
**VB85ELM0001**



5/2 bistable lateral connector  
**5/2 bistabilní boční konektor**  
 5/2 bistabile connettore laterale

CODE  
**VB85ELB0001**



5/3 monostable lateral connector  
**5/3 monostabilní boční konektor**  
 5/3 monostabile connettore laterale

CODE  
**VB86ELMCC01** CC / CF / CC

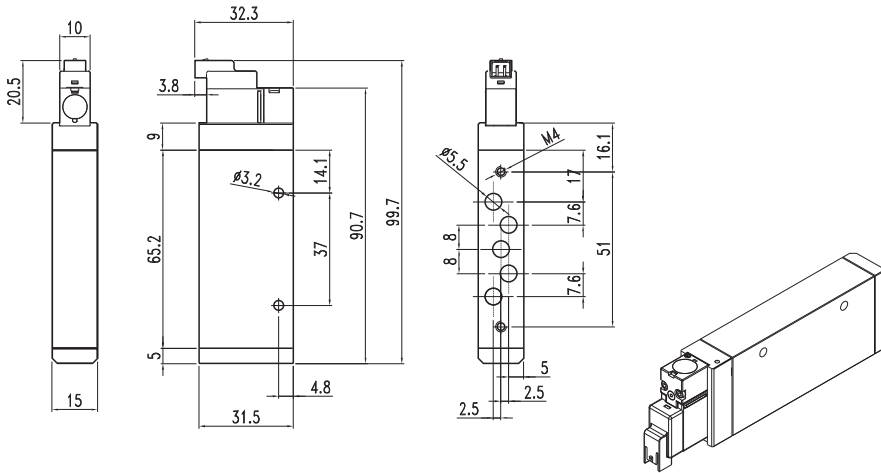


CODE  
**VB86ELMCA01** CO / CO / CA



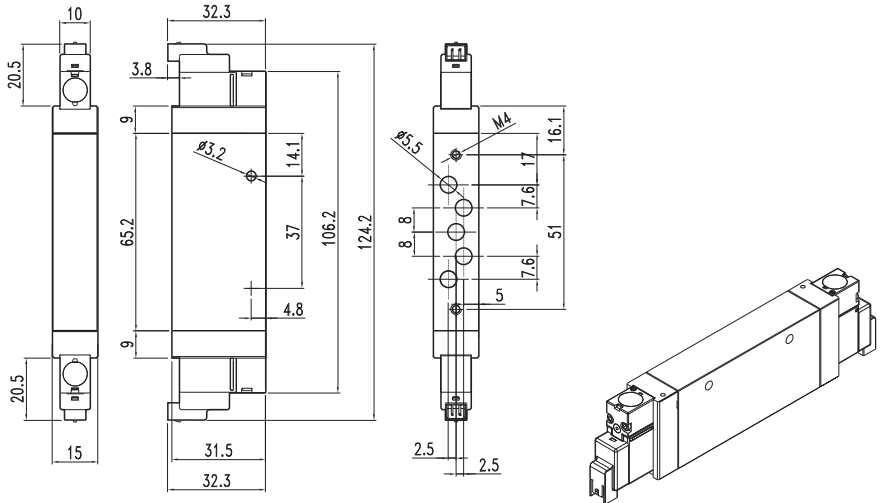
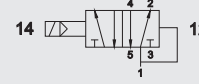
CODE  
**VB86ELMCP01** CP / CP / CP





5/2 monostable lower connector  
**5/2 monostabilní konektor dolní**  
5/2 monostabile connettore inferiore

**CODE**  
**VB85ELM0011**



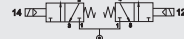
5/2 bistable lower connector  
**5/2 bistabilní konektor dolní**  
5/2 bistabile connettore inferiore

**CODE**  
**VB85ELB0011**

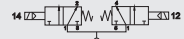


3/2 + 3/2 monostable lower connector  
**3/2 + 3/2 monostabilní konektor dolní**  
3/2 + 3/2 monostabile connettore inferiore

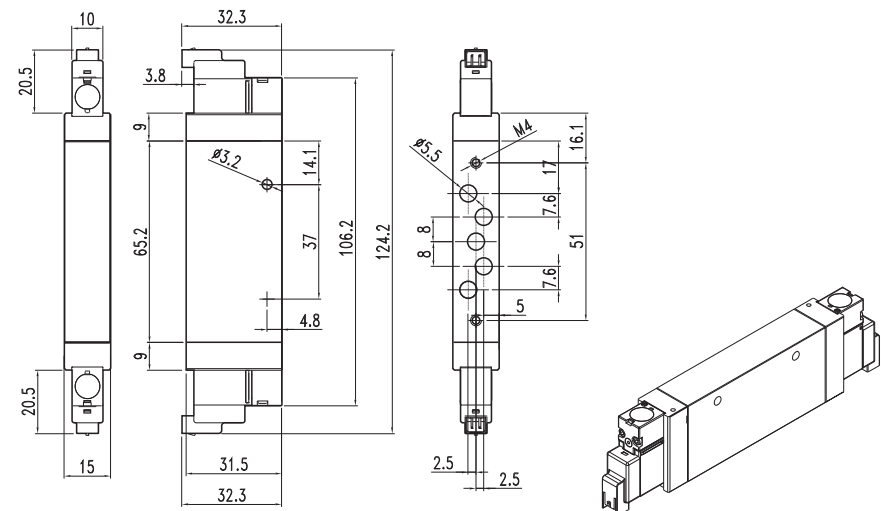
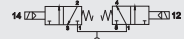
**CODE**  
**VB83ELM2C11** NC+NC / NZ+NZ / NC+NC



**CODE**  
**VB83ELM2A11** NO+NO / NO+NO / NA+NA



**CODE**  
**VB83ELM2X11** NC+NO / NZ+NO / NC+NA



5/3 monostable lower connector  
**5/3 monostabilní konektor dolní**  
5/3 monostabile connettore inferiore

**CODE**  
**VB86ELMCC11** CC / CF / CC

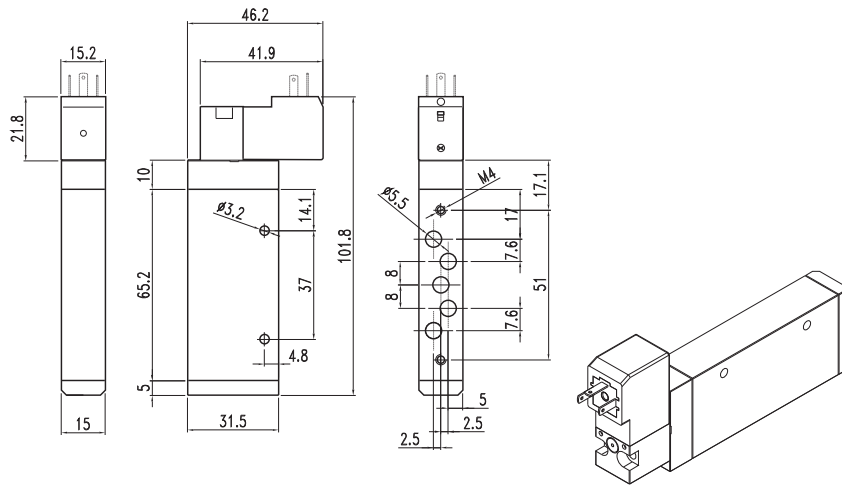


**CODE**  
**VB86ELMCA11** CO / CO / CA



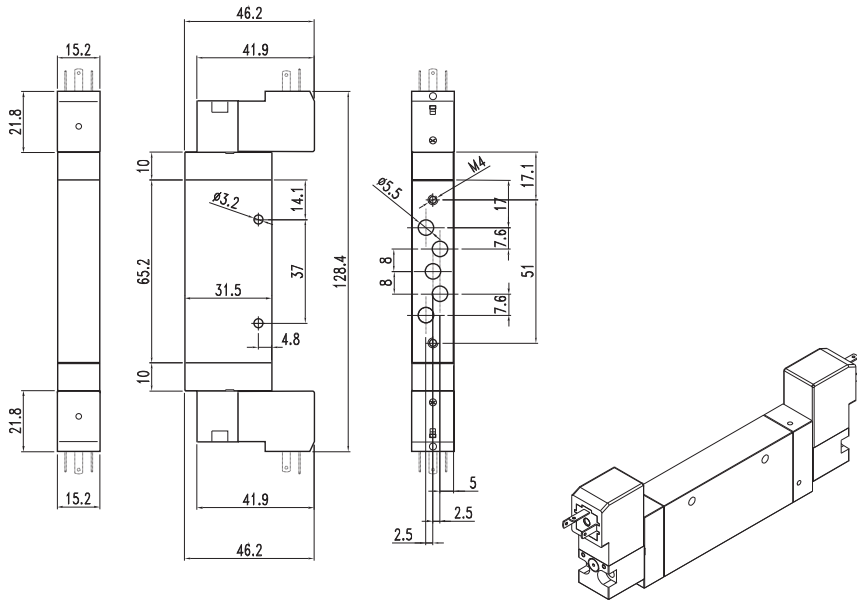
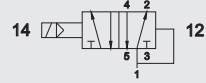
**CODE**  
**VB86ELMCP11** CP / CP / CP





5/2 monostable DIN 15mm  
**5/2 monostabilní DIN 15mm**  
 5/2 monostabile DIN 15mm

**CODE**  
**VB85ELM0021**



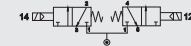
5/2 bistable DIN 15mm  
**5/2 bistabilní DIN 15mm**  
 5/2 bistabile DIN 15mm

**CODE**  
**VB85ELB0021**

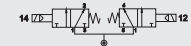


1/8 - 3/2 + 3/2 monostable DIN 15mm  
**1/8 - 3/2 + 3/2 monostabilní DIN 15mm**  
 1/8 - 3/2 + 3/2 monostabile DIN 15mm

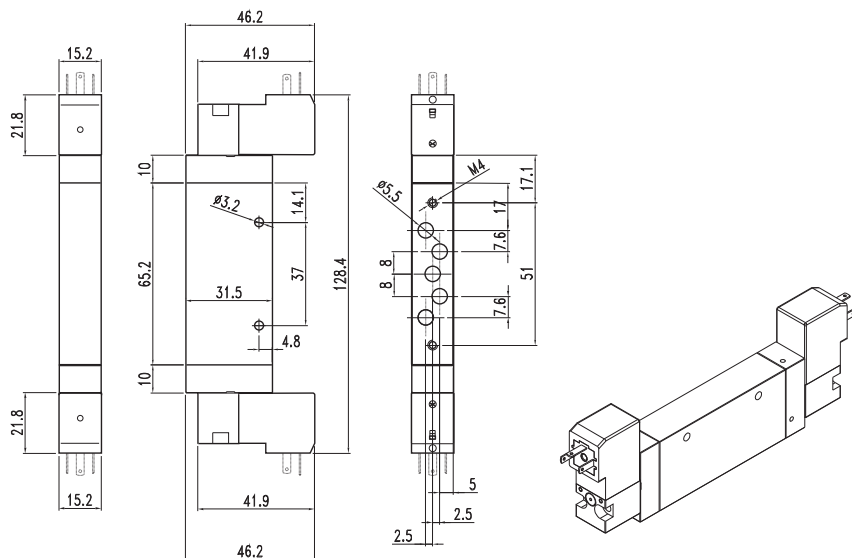
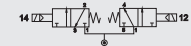
**CODE**  
**VB83ELM2C21** NC+NC / NZ+NZ / NC+NC



**CODE**  
**VB83ELM2A21** NO+NO / NO+NO / NA+NA



**CODE**  
**VB83ELM2X21** NC+NO / NZ+NO / NC+NA



5/3 monostable DIN 15mm  
**5/3 monostabilní DIN 15mm**  
 5/3 monostabile DIN 15mm

**CODE**  
**VB86ELMCC21** CC / CF / CC



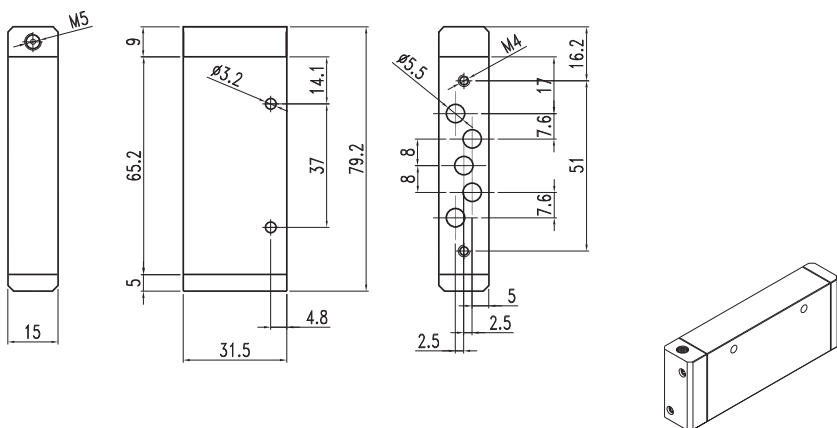
**CODE**  
**VB86ELMCA21** CO / CO / CA



**CODE**  
**VB86ELMCP21** CP / CP / CP

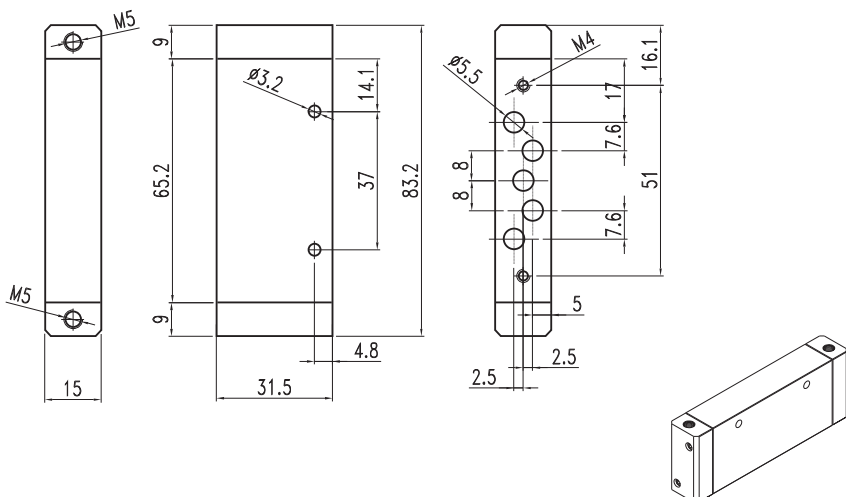
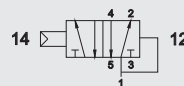






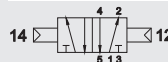
5/2 monostable  
**5/2 monostabilní**  
 5/2 monostabile

**CODE**  
**VB85PNM00**



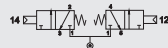
5/2 bistable  
**5/2 bistabilní**  
 5/2 bistabile

**CODE**  
**VB85PNB00**



3/2 + 3/2 monostable  
**3/2 + 3/2 monostabilní**  
 3/2 + 3/2 monostabile

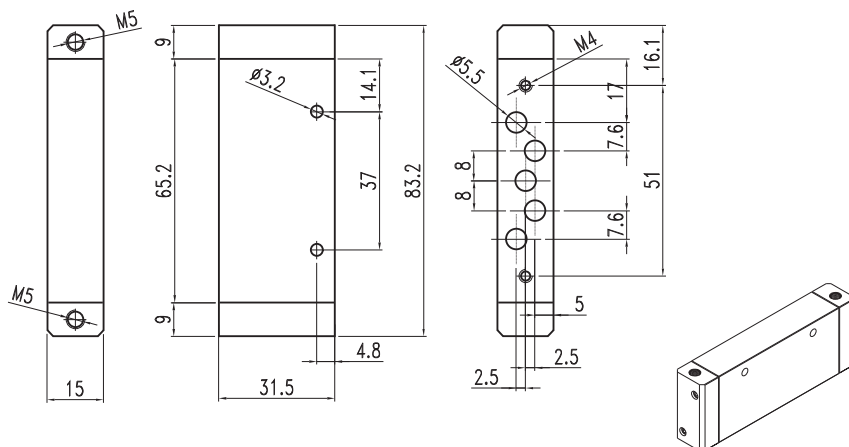
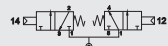
**CODE**  
**VB83PNM2C00** NC+NC / NZ+NZ / NC+NC



**CODE**  
**VB83PNM2A00** NO+NO / NO+NO / NA+NA



**CODE**  
**VB83PNM2X00** NC+NO / NZ+NO / NC+NA



5/3 monostable  
**5/3 monostabilní**  
 5/3 monostabile

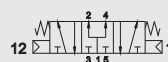
**CODE**  
**VB86PNMCC** CC / CF / CC



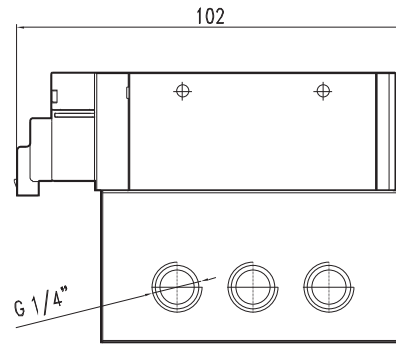
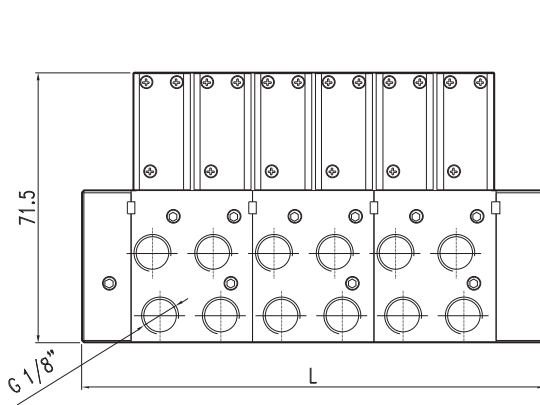
**CODE**  
**VB86PNMCA** CO / CO / CA



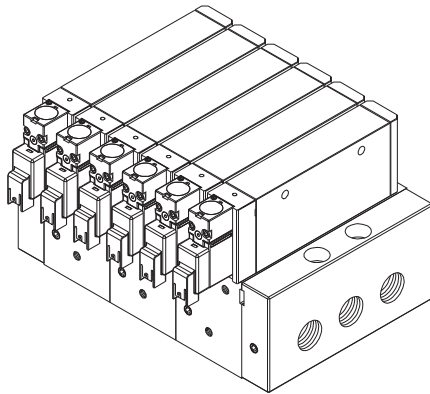
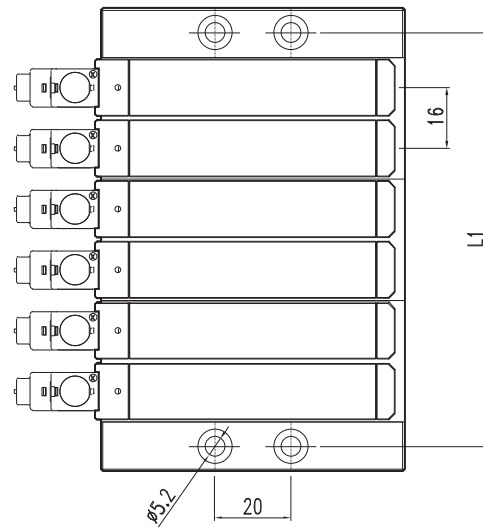
**CODE**  
**VB86PNMCP** CP / CP / CP

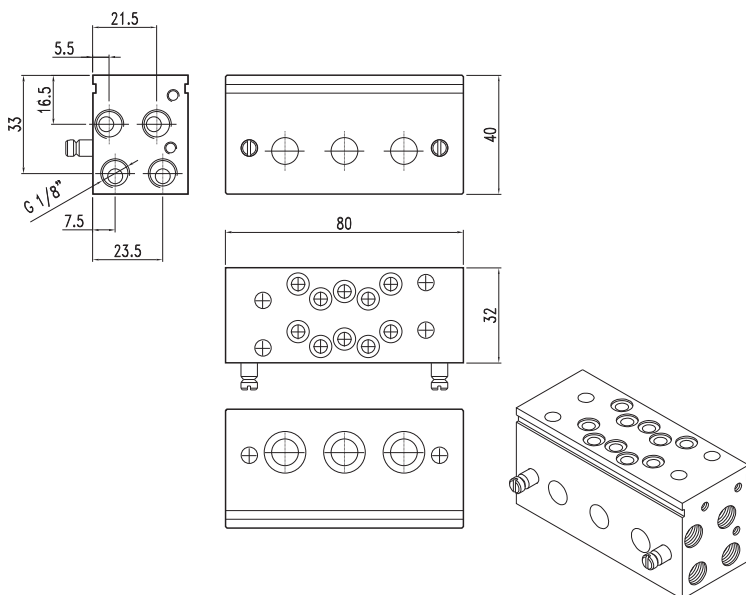


**DIMENSIONS / ROZMĚRY / DIMENSIONI**



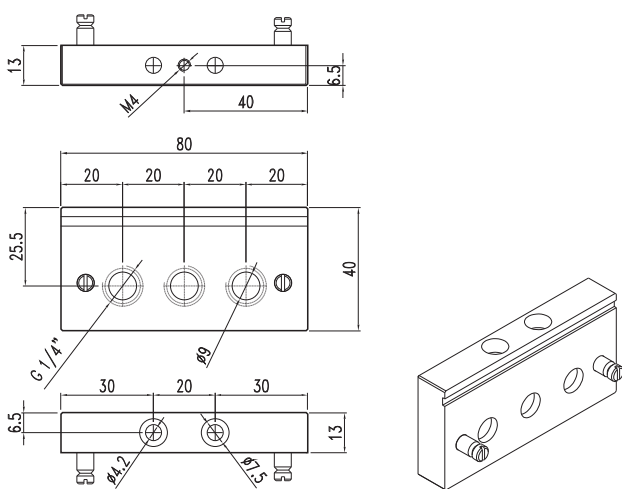
N° POS	L	L1
2	58	45
4	90	77
6	122	109
8	154	141
10	186	173
12	218	205
14	250	237
16	282	269
18	314	301
20	346	333
22	378	365





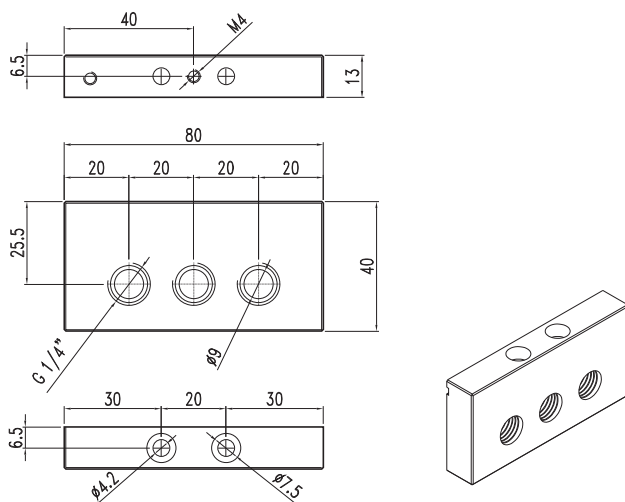
MODULAR MANIFOLD  
**MODULÁRNÍ MANIFOLD**  
 BASE MODULARE

CODE  
**SB409211**



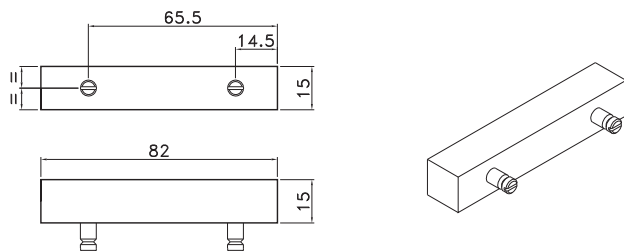
TERMINAL RIGHT  
**TERMINÁL V PRAVO**  
 TERMINALE DESTRO

CODE  
**SB409212**



MODULAR TERMINAL LEFT  
**MODULÁRNÍ TERMINÁL V LEVO**  
 TERMINALE SINISTRO

CODE  
**SB409213**



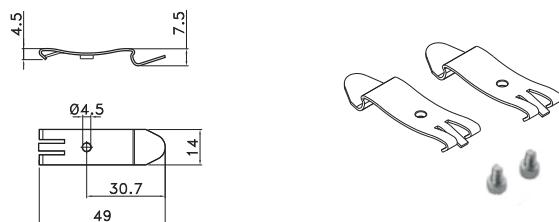
BRAKING PLATE  
**ZÁSLEPKA**  
 PIASTRINA DI CHIUSURA

CODE  
**SB409214**



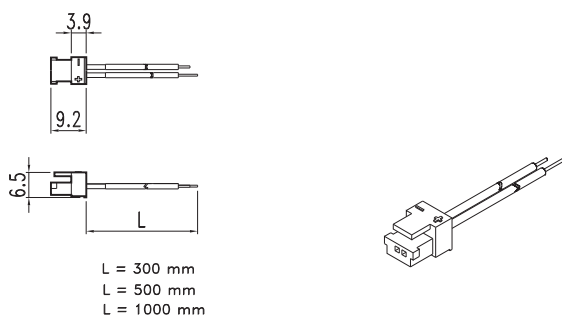
DIAPHRAGM SEAL  
**TĚSNĚNÍ**  
 GUARNIZIONE DIAFRAMMA

CODE  
**SB408215**



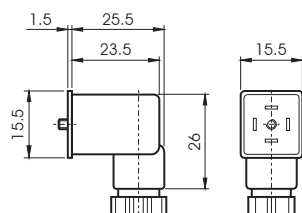
KIT ASSEMBLING FOR DIN RAIL  
**MONTÁŽNÍ SADA NA DIN LIŠTU**  
 KIT STAFFE PER FISSAGGIO GUIDA DIN

CODE  
**SB408216**



CONNECTOR  
**KONEKTORY**  
 CONNETTORE

CODE	DES.
VX0048	300mm
VX0049	500mm
VX0050	1000mm



CONNECTORS  
**KONEKTORY**  
 CONNETTORI

CODE	DES.
VX0020	STANDARD
VX0021	LED 24V
VX0022	LED 110V
VX0023	LED 220V
VX0024	LED VDR 24V
VX0025	LED VDR 110V
VX0026	LED VDR 220V

The newborn VH series valve island proposed by POS, represents the new trend in the pneumatic field, which responds to the increasing need of energy saving and reduced dimensions while maintaining suitable flow rates. It's proposed in multipolar system with D-SUB 25 pin connection or with flat cable.

Key-points:

- Small size (15mm) • Low power consumption (0.85W) • Compact and clean design • Metal components for longer life even in harsh environments • Fast response thanks to latest generation solenoids • Manual operating easily accessible • LED indicator integrated in the solenoid • Sub-base with exclusive modular system
- All packs are delivered assembled and tested.

**Ventilový ostrov NOVÉ GENERACE Série VH navržený společností POS představuje nový trend v pneumatice, který reaguje na rostoucí potřebu úspory energie a zmenšení rozměrů při zachování vhodných průtoků.**

**Je navržen v multipolu s připojením D-SUB 25 pinů nebo s plochým kabelem.**

**Klíčové body:**

- Malý rozměr (15 mm) • Nízká spotřeba energie (0,85 W) • Kompaktní a čistý design • Kovové komponenty pro delší životnost i v drsných prostředích • Rychlá odezva díky solenoidům nejnovější generace
- Ruční ovládání snadno dostupné • LED indikátor integrovaný do solenoidu • Základová deska s exkluzivním modulárním systémem
- Všechny ostrovy se dodávají smontované a testované.

*Le nuove isole di valvole serie VH proposte da POS, rappresentano la nuova tendenza della pneumatica moderna che risponde ad esigenze di risparmio energetico e ingombri sempre più contenuti, pur mantenendo portate di tutto rispetto.*

*La serie VH dispone di un sistema di connessione elettrica multipolare con presa D-SUB 25 pin o con cavo Flat.*

*Punti di forza:*

- Dimensioni ridotte (15mm) • Basso assorbimento di corrente (0.85W) • Design compatto e pulito • Componenti in metallo per garantire lunga durata anche in ambienti difficili • Elevata velocità di risposta grazie agli elettropiloti di ultima generazione • Azionamento manuale di facile accesso • Indicatore LED integrato nell'elettropilota • Sottobase con esclusivo sistema modulare • Tutte le isole sono consegnate montate e collaudate


**TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI**

Fluid / Tekutina / Fluido		Air / Vzduch / Aria	
Max operating pressure / Maximální pracovní tlak Pressione massima di esercizio	Internal pilot / Interní pilot Pilotaggio interno	5/2 / 5/2 / 5/2	1,5 ÷ 7 bar
		5/3 monostable / 5/3 monostabilní / 5/3 monostabile	2 ÷ 7 bar
		3/2 + 3/2	1.5 ÷ 7 bar
	Internal pilot / pilotage interne Pilotaggio interno	Pressure range / Pracovní tlak / Pressione di utilizzo	- 1 ÷ 7 bar
Pilot pressure / Pilotní tlak / Pressione pilota		2,5 ÷ 7 bar	
Max working temperature / Maximální teplota použití / Temperatura max di esercizio		-5°C / + 50°C	
Flow rate to 6 bar and Δp 1 bar / Průtok à 6 bar Δp 1 bar / Portata a 6 bar e Δp 1 bar	5/2 monostable Ø8 / 5/2 monostabilní Ø8 / 5/2 monostabile Ø8		650 Nl/min
	5/2 bistable Ø8 / 5/3 bistabilní Ø8 / 5/3 bistabile Ø8		650 Nl/min
	5/3 CC Ø8 / 5/3 CF Ø8 / 5/3 CC Ø8		500 Nl/min
	5/3 CO Ø8 / 5/3 CO Ø8 / 5/3 CA Ø8		500 Nl/min
	5/3 CP Ø8 / 5/3 CP Ø8 / 5/3 CP Ø8		700 Nl/min
	3/2 + 3/2 Ø8		550 Nl/min
Voltage / Elektrické napětí / Tensione elettrica		24VDC, 12VDC	
Voltage tolerance / Tolerance napětí / Tolleranza di tensione		± 10%	
Power consumption / Spotřeba energie / Assorbimento		0.85 W (DC)	
Insulation / Isolation / Isolamento		classe F	
Protection degree / Stupeň ochrany / Grado di protezione		IP 65 (D-SUB - FLAT : IP 40)	
Valve width / Šířka ventilu / Larghezza valvola		15mm	
Indicators / Indikátory / Indicatori		LED	
Type of connection / Typ připojení / Tipo di connessione		D-SUB 25 pin / Flat cable	
Max stations / Max stanice / Massimo numero stazioni		24	
A-B port size / Velikost portu A-B / Taglia porta A-B		Ø4 - Ø6 - Ø8	
Weight / Hmotnost / Pesi	5/2 monostable Ø8 / 5/2 monostabilní Ø8 / 5/2 monostabile Ø8		gr 84
	5/2 bistable Ø8 / 5/3 bistabilní Ø8 / 5/3 bistabile Ø8		gr 94
	5/3 CC Ø8 / 5/3 CF Ø8 / 5/3 CC Ø8		gr 100
	Manifold side cover / Boční kryt potrubí / Manifold coperchi		gr 338
	Base product / Základní produkt / Prodotti base		gr 80

**DIN RAIL TYPE / TYP DIN ŽELEZNICE / VERSIONE GUIDA DIN**

Solenoid A turns On the **Red led**  
 Solenoid B turns On the **Green led**  
**Solenoid A zapne červenou LED**  
**Solenoid B se rozsvítí na zelené LED**  
 Solenoide A accende il **led Rosso**  
 Solenoide B accende il **led Verde**

Possibility to select the integrated exhaust and built-in method silencer.

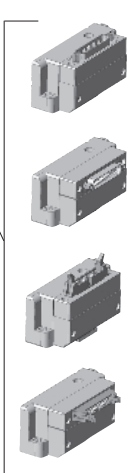
**Možnost výběru integrovaného výfukového plynu a vestavěného tlumiče hluku.**

*È possibile selezionare il metodo integrato di scarico e silenziatore.*

The wiring is possible either vertically or horizontally.

**Zapojení je možné vertikální nebo horizontální.**

*Il cablaggio è possibile sia in verticale sia in orizzontale.*



Quick and easy system to allow the addition or the removal of valves.

**Rychlý a snadný systém umožňující přidání nebo odstranění ventilů.**

*Sistema rapido e semplice per consentire l'aggiunta e la rimozione delle valvole.*

**TIE ROD TYPE / TIE ROD TYPE / VERSIONE A TIRANTI**

External piloting system. Application available for different pressures or vacuum control.

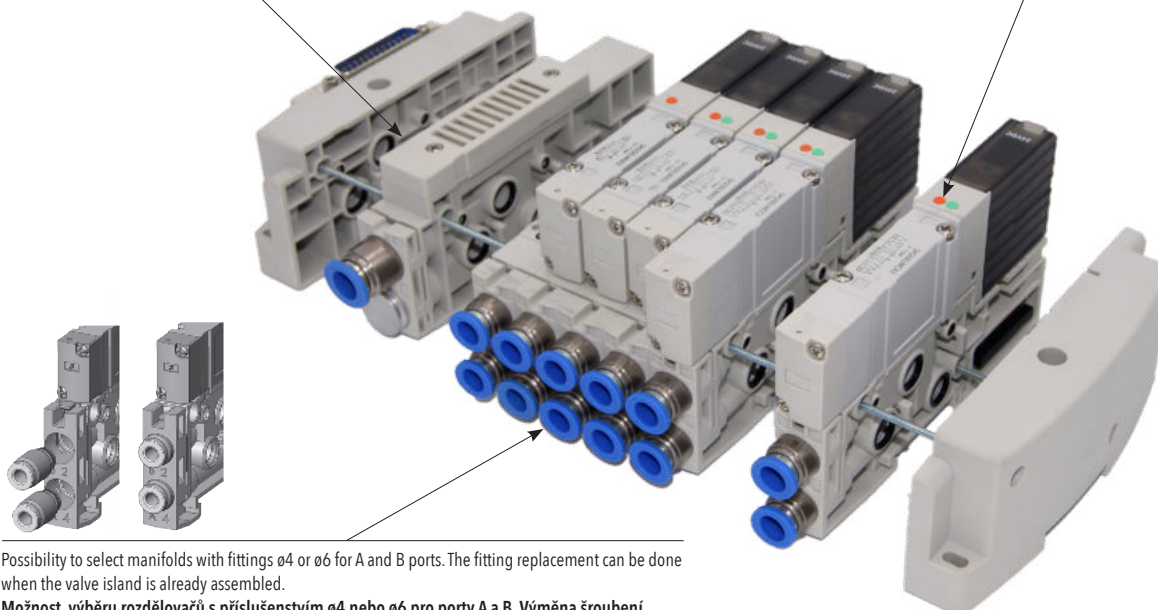
**Externí pilotní systém. Aplikace je k dispozici pro různé tlaky nebo vakuové řízení.**

*Sistema di pilotaggio esterno. Disponibile per diversi controlli di pressione o vuoto.*

Manual control unlockable.

**Ruční ovládání je odemkatelné.**

*Comando manuale non bloccabile.*



Possibility to select manifolds with fittings  $\varnothing 4$  or  $\varnothing 6$  for A and B ports. The fitting replacement can be done when the valve island is already assembled.

**Možnost výběru rozdělovačů s příslušenstvím  $\varnothing 4$  nebo  $\varnothing 6$  pro porty A a B. Výměna šroubení může být provedena, když je ostrov ventilu již smontovaný.**

*È possibile utilizzare raccordi  $\varnothing 4$  oppure  $\varnothing 6$  per le porte A e B. La sostituzione del raccordo è possibile anche quando l'isola di valvole è già assemblata.*

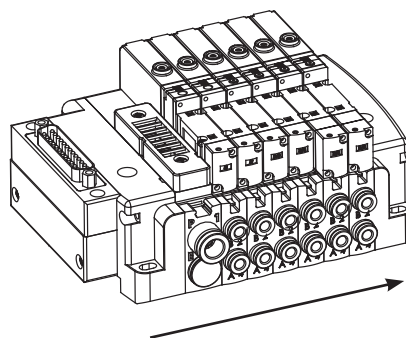


ASSEMBLED UNIT ORDERING CODE / MONTÁŽNÍ OBJEDNÁVKOVÝ KÓD / CHIAVE DI CODIFICA UNITA' ASSEMBLATA

The following ordering code, has the purpose to give to POS all necessary information and specification required from the customer. Subsequently, for convenience, a univocal 9-digit short code will be generated and will be communicated to the customer at the time of order confirmation.

Účelem následujícího objednáčíchó kódu je poskytnout společnosti POS všechny potřebné informace a specifikace požadované zákazníkem. Následně bude pro větší přehlednost vygenerován jednoznačný 9místný krátký kód, který bude zákazníkovi sdělen v okamžiku potvrzení objednávky.

La chiave di codifica qui sotto riportata, ha lo scopo di fornire ad POS tutte le informazioni e le specifiche di cui il cliente ha bisogno. Successivamente, per comodità, verrà generato un codice breve univoco a 9 cifre che verrà comunicato al cliente al momento della conferma d'ordine.



From left to right  
Zleva doprava  
Da sinistra a destra

V H 2 - S O - 1 0 - I S - B - T - 1 2 - 2 4 - A B C D E F G H I J K L M N O P Q R S T U V W X Z

SHORT CODE / KRÁTKÝ KÓD / CODICE BREVE

- A= 5/2 monostable, tube Ø4 / 5/2 monostabilní, trubka Ø4 / 5/2 monostabile, tubo Ø4
- B= 5/2 monostable, tube Ø6 / 5/2 monostabilní, trubka Ø6 / 5/2 monostabile, tubo Ø6
- C= 5/2 monostable, tube Ø8 / 5/2 monostabilní, trubka Ø8 / 5/2 monostabile, tubo Ø8
- D= 5/2 bistable, tube Ø4 / 5/2 bistabilní, trubka Ø4 / 5/2 bistabile, tubo Ø4
- E= 5/2 bistable, tube Ø6 / 5/2 bistabilní, trubka Ø6 / 5/2 bistabile, tubo Ø6
- F= 5/2 bistable, tube Ø8 / 5/2 bistabilní, trubka Ø8 / 5/2 bistabile, tubo Ø8
- G= 5/3 closed centers, tube Ø4 / 5/3 uzavřená centra, trubka Ø4 / 5/3 centri chiusi, tubo Ø4
- H= 5/3 closed centers, tube Ø6 / 5/3 uzavřená centra, trubka Ø6 / 5/3 centri chiusi, tubo Ø6
- I= 5/3 closed centers, tube Ø8 / 5/3 uzavřená centra, trubka Ø8 / 5/3 centri chiusi, tubo Ø8
- J= 5/3 open centers, tube Ø4 / 5/3 otevřená centra, trubka Ø4 / 5/3 centri aperti, tubo Ø4
- K= 5/3 open centers, tube Ø6 / 5/3 otevřená centra, trubka Ø6 / 5/3 centri aperti, tubo Ø6
- L= 5/3 open centers, tube Ø8 / 5/3 otevřená centra, trubka Ø8 / 5/3 centri aperti, tubo Ø8
- M= 5/3 pressure centers, tube Ø4 / 5/3 tlakové centrum, trubka Ø4 / 5/3 centri n pressione, tubo Ø4
- N= 5/3 pressure centers, tube Ø6 / 5/3 tlakové centrum, trubka Ø6 / 5/3 centri n pressione, tubo Ø6
- O= 5/3 pressure centers, tube Ø8 / 5/3 tlakové centrum, trubka Ø8 / 5/3 centri n pressione, tubo Ø8
- P= 2x3/2 NC+NC, tube Ø4 / 2x3/2 NZ+NZ, trubka Ø4 / 2x3/2 NC+NC, tubo Ø4
- Q= 2x3/2 NC+NC, tube Ø6 / 2x3/2 NZ+NZ, trubka Ø6 / 2x3/2 NC+NC, tubo Ø6
- R= 2x3/2 NC+NC, tube Ø8 / 2x3/2 NZ+NZ, trubka Ø8 / 2x3/2 NC+NC, tubo Ø8
- S= 2x3/2 NO+NO, tube Ø4 / 2x3/2 NO+NO, trubka Ø4 / 2x3/2 NA+NA, tubo Ø4
- T= 2x3/2 NO+NO, tube Ø6 / 2x3/2 NO+NO, trubka Ø6 / 2x3/2 NA+NA, tubo Ø6
- U= 2x3/2 NO+NO, tube Ø8 / 2x3/2 NO+NO, trubka Ø8 / 2x3/2 NA+NA, tubo Ø8
- V= 2x3/2 NC+NO, tube Ø4 / 2x3/2 NZ+NO, trubka Ø4 / 2x3/2 NC+NA, tubo Ø4
- W= 2x3/2 NC+NO, tube Ø6 / 2x3/2 NZ+NO, trubka Ø6 / 2x3/2 NC+NA, tubo Ø6
- X= 2x3/2 NC+NO, tube Ø8 / 2x3/2 NZ+NO, trubka Ø8 / 2x3/2 NC+NA, tubo Ø8
- Z= CLOSING PLATE / ZÁVĚSNÁ ŠTÍTKA / PIASTRINA DI CHIUSURA

POSITIONS NUMBER / POČET ČÍSEL / NUMERO POSIZIONI

- 01= 1 position / 1 pozice / 1 posizione
- +
- 24= 24 positions / 24 pozic / 24 posizioni





VOLTAGE / NAPĚTÍ / TENSIONE

- 12= 12 V DC
- 24= 24 V DC

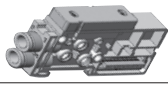
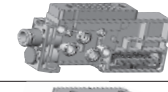
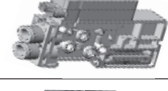

ASSEMBLY TYPE / MONTÁŽNÍ TYP / TIPO DI ASSEMBLAGGIO

- T= With tie rod / S táhlem / Con tiranti
- D= With DIN rail / S DIN lištou / Con guida DIN
- N= Nothing (max 4 pos.) / Nic (max. 4 pozice) / Niente (max 4 pos.)







TERMINAL / TERMINÁL / TERMINALI

SH	D-SUB horizontal Horizontální D-SUB D-SUB orizzontale	
SV	D-SUB vertical D-SUB vertikální D-SUB verticale	
FH	FLAT horizontal FLAT horizontální FLAT orizzontale	
FV	FLAT vertical FLAT vertikální FLAT verticale	

SUPPLY-EXHAUST TYPE / ZAPOJTE TYP VÝFUKU / TIPO DI ALIMENTAZIONE-SCARICHI

IW	Internal without silencer Vnitřní bez tlumiče Interno senza silenziatore	
IS	Internal with silencer Vnitřní s tlumičem Interno con silenziatore	
EW	External without silencer Vnější bez tlumiče Esterno senza silenziatore	
ES	External with silencer Vnější s tlumičem Esterno con silenziatore	

SUPPLY-EXHAUST POSITIONS / PŘIPOJTE VÝFUKOVÉ POLOHY / POSIZIONE ALIMENTAZIONE-SCARICHI

L	Left Vlevo, odjet Sinistra		
R	Right Ze jo Destra		
B	Both Oba Entrambe		

**SOLENOID VALVE MODULE / MODUL EL.MAG. VENTILU / MODULO ELETTROVALVOLA**

S H 2 5 E L M 0 0 1 0 6

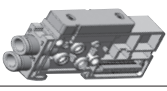
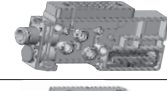
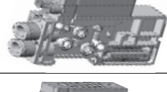

- **A - B PORT SIZE / A - B VELIKOST PORTU / TAGLIA PORTE A - B**  
 04 = Ø4 mm  
 06 = Ø6 mm  
 08 = Ø8 mm
- **VOLTAGE / NAPĚTÍ / TENSIONE**  
 1 = 12 VDC  
 2 = 24 VDC
- **OPERATION / ÚKON / FUNZIONAMENTO**  
 00 = 5/2  
 CC = CLOSED CENTERS / **UZAVŘENÁ CENTRA** / CENTRI CHIUSI  
 CA = OPEN CENTERS / **OTEVŘENÁ CENTRA** / CENTRI APERTI  
 CP = PRESSURIZED CENTERS / **TISKOVÁ STŘEDISKA** / CENTRI IN PRESSIONE  
 2C = 3/2 + 3/2 NC-NC  
 2A = 3/2 + 3/2 NA-NA  
 2X = 3/2 + 3/2 NC-NA
- **FUNCTION / FUNKCE / FUNZIONAMENTO**  
 M = Monostable / **Monostabilní** / Monostabile  
 B = Bistable / **Bistabilní** / Bistabile
- **PILOT TYPE / PILOTNÍ TYP / TIPO DI PILOTAGGIO**  
 EL = Internal / **Vnitřní** / Interno  
 EA = External / **Externí** / Esterno
- **PORTS / PŘÍSTAVY / PORTE**  
 3 = 3/2  
 5 = 5/2  
 6 = 5/3



SH2M08 = CLOSING PLATE MONOSTABLE / **ZÁVĚSNÁ ŠTÍTKA MONOSTABLE** / PIASTRINA DI CHIUSURA MONOSTABILE  
 SH2B08 = CLOSING PLATE BISTABLE / **ZÁVĚSNÁ ŠTÍTKA BISTABLE** / PIASTRINA DI CHIUSURA BISTABILE

**SUPPLY-EXHAUST MODULE / MODUL VÝFUKU VZDUCHU / MODULO ALIMENTAZIONE-SCARICHI**





A H 2 I W

		PILOT TYPE / PILOTNÍ TYP / TIPO DI PILOTAGGIO
IW	Internal without silencer <b>Vnitřní bez tlumiče</b> Interno senza silenziatore	
IS	Internal with silencer <b>Vnitřní s tlumičem</b> Interno con silenziatore	
EW	External without silencer <b>Vnější bez tlumiče</b> Esterno senza silenziatore	
ES	External with silencer <b>Vnější s tlumičem</b> Esterno con silenziatore	



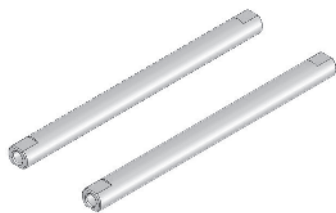
**TERMINAL / TERMINÁL / TERMINALI**

E H 2 S H

		CONNECTION TYPE / TYP PŘIPOJENÍ / TIPO DI CONNESSIONE
SH	D-SUB horizontal <b>Horizontální D-SUB</b> D-SUB orizzontale	
SV	D-SUB vertical <b>D-SUB vertikální</b> D-SUB verticale	
FH	FLAT horizontal <b>FLAT horizontální</b> FLAT orizzontale	
FV	FLAT vertical <b>FLAT vertikální</b> FLAT verticale	







TIE-ROD  
**TIE ROD**  
*TIRANTI*

**CODE**

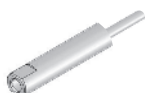
From / od / A partire

TH205 5 manifolds + 1 module sup/exh / 5 zákl. desek + 1 výfuk modul /  
 5 stazioni + 1 modulo sup/exh.

To / Pro / Fino a

TH224 24 manifolds + 1 module sup/exh / 24 zákl. desek + 1 výfuk. modul /  
 24 stazioni + 1 modulo sup/exh.

TIE-ROD FOR SUP/ EXH MODULES ADDITIONAL / **TIE-ROD / VÝFUKOVÉ MODULY/**  
*TIRANTE PER MODULI SUP/EXH AGGIUNTIVI*



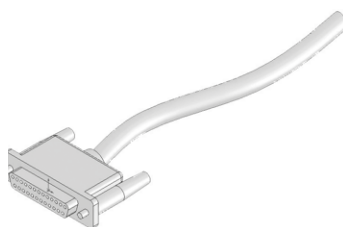
**CODE**

TH2001 Module / Modul / Modulo

1 for each extra module (maximum 3 modules).

**1 pro každý další modul (maximálně 3 moduly).**

*1 per ogni extra modulo (massimo 3 moduli).*

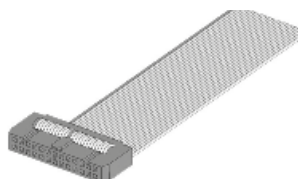


D-SUB CONNECTOR 25 PIN  
**KONEKTOR D-SUB À 25 PIN**  
*CONNETTORE D-SUB 25 PIN*

**CODE**

VX0062 1.5 mt

VX0063 3 mt



FLAT CABLE CONNECTOR  
**SPOJOVACÍ KABEL FLAT**  
*CONNETTORE FLAT*

**CODE**

VX0064 1.5 mt

VX0065 3 mt



DIN RAIL  
**DIN LIŠTA**  
*BARRA DIN*

**CODE**

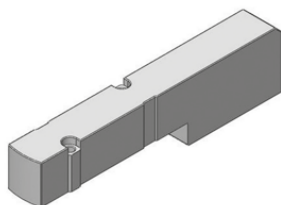
RH206 2 - 6 stations

RH210 7 - 10 stations

RH215 11 - 15 stations

RH220 16 - 20 stations

RH224 21 - 24 stations



BLANKING PLATE  
**ZÁSLEPKA**  
*PIASTRA DI CHIUSURA*

**CODE**

BH200

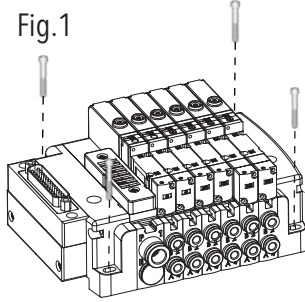


DIAPHRAGM SEAL  
**TĚSNÍCÍ ZÁSLEPKA PORTU**  
*GUARNIZIONE DIAFRAMMA*

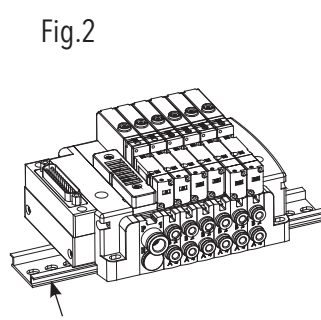
**CODE**

DH200

**MOUNTING SYSTEMS / MONTÁŽNÍ SYSTÉMY / SISTEMI DI FISSAGGIO**



With through screws.  
**S průchozími šrouby.**  
 Con viti passanti.



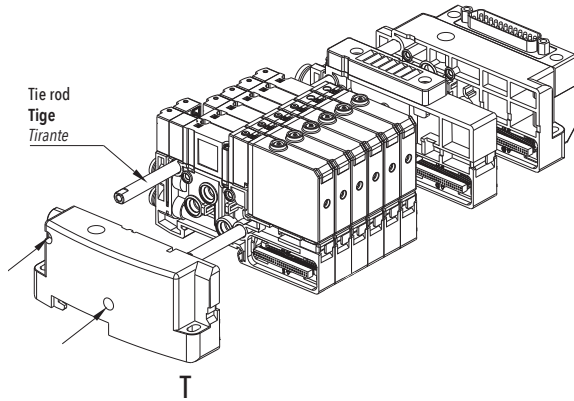
On omega bar DIN.  
**Na omega DIN lištu.**  
 Su barra omega DIN.

The VH valve island can be mounted with through screws (fig. 1) or an omega DIN rail (fig.2).

**Ventilový ostrov VH lze namontovat pomocí šroubů (obr. 1) nebo s omega DIN lištou (obr.2).**

*L'isola di elettrovalvole VH può essere montata sia tramite viti (fig. 1) oppure tramite una barra omega DIN (fig.2).*

**ASSEMBLY-DISASSEMBLY OF TIE ROD TYPE / MONTÁŽ ROZDĚLENÍ TYPU TYPY RODU / MONTAGGIO-SMONTAGGIO DELLA VERSIONE A TIRANTI**



Use this assembling solution when the VH valves island is installed in severe vibration conditions or when a huge amount of valves is installed. In case of base disassembly, start disassembling the valves block from the T-Side, after removing the 2 screws mounted onto it.

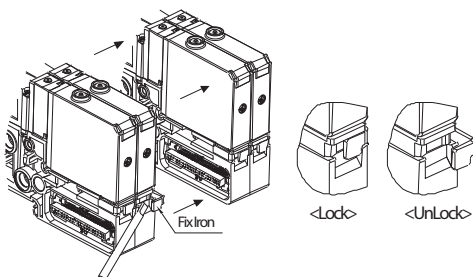
**Toto montážní řešení použijte, když je ostrov VH nainstalován v místech, kde dochází k vibracím nebo pokud je použito velké množství ventilů.**

**V případě demontáže základny začněte demontovat ventilový blok z T-strany po odstranění 2 šroubů namontovaných na něm.**

*Utilizzare questo sistema di montaggio quando l'isola di valvole VH è installata in condizioni di forti vibrazioni o quando viene utilizzato un sistema multi-connesione.*

*Nel caso sia necessario smontare l'isola, cominciare dal lato T, rimuovendo le 2 viti che sono montate.*

**VALVES ADDING/REMOVAL / VENTILY PŘIDÁNÍ ODSTRANĚNÍ / AGGIUNTA-RIMOZIONE DELLE VALVOLE**



To add/remove a valve, gently UNLOCK the bracket through the usage of a flat screwdriver (or similar tool). It's not necessary to apply an excessive force that could damage the the component. Prior to add a new valve, or reconnect existing ones, please be sure that o-rings and gaskets are placed in the correct position, as well as air passages and wiring connectors.

The valve block has to be assembled or disassembled only if mounted onto a DIN rail or by using a tie-rods system. If other circumstances, the valve block has to be assembled or disassembled while laying on a flat surface.

To prevent damages or wiring connection failures, check the assembly status additionally. Once everything is done, pull the bracket until it's in the LOCK position.

**Chcete-li přidat / odstranit ventil, jemně ODEMKNĚTE držák pomocí plochého šroubováku (nebo podobného nástroje). Není nutné vyvíjet nadměrnou sílu, která by mohla poškodit součásti. Před přidáním nového ventilu nebo opětovným připojením stávajících se ujistěte, že jsou o-kroužky a těsnění umístěny ve správné poloze, jakož i vzduchové kanály a kabelové konektory.**

**Ventilový blok musí být smontován nebo rozebrán, pouze pokud je namontován na DIN lištu nebo pomocí systému táhel.**

**V případě jiných okolností kdy musí být ventilový blok rozebrán, použijte rovnou podložku.**

**Chcete-li zabránit poškození nebo selhání připojení kabelů, zkontrolujte dodatečně stav montáže. Jakmile je vše hotovo, zatáhněte za držák, dokud není v poloze LOCK.**

*Per aggiungere/rimuovere una valvola, spostare delicatamente la staffa di chiusura fino alla posizione di sblocco (UNLOCK) attraverso l'uso di un cacciavite piatto (o utensile simile). Non è necessario applicare una forza eccessiva che potrebbe danneggiare la base.*

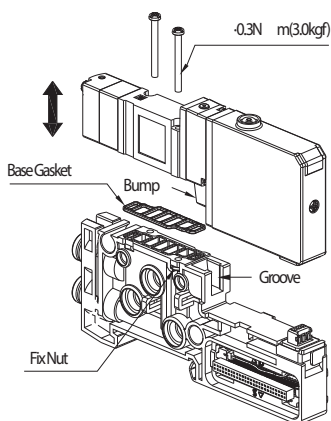
*Prima di aggiungere una nuova valvola o ricollegare quelle esistenti, assicurarsi che gli o-ring e le guarnizioni siano posizionati nella sede corretta, nonché verificare i passaggi dell'aria e le connessioni elettriche.*

*Il blocco valvole deve essere montato o smontato solo se installato su una guida DIN o se si sta usando un sistema a tiranti.*

*In altre circostanze, il blocco valvole deve essere assemblato o smontato solo se appoggiato su una superficie piana.*

*Per evitare danni o errori di connessione del cablaggio, controllare ulteriormente lo stato dell'isola di valvole. Una volta terminato, spostare la staffa finché non si trova nella posizione di chiusura (LOCK).*

VALVE-MANIFOLD ASSEMBLING / MONTÁŽ VENTILU NA ZÁKL. DESKU / ASSEMBLAGGIO DELLE VALVOLE SULLE SOTTOBASI



Before starting the valve's assembling onto the manifold, check the presence of the base gasket into the correct position (on the manifold).

Valve's bump and manifold groove must be aligned. Only if bump and groove are aligned, power supply connector and mount screws locations are coincident.

Insert valve's bump into base's groove in advance during valve assembly, then assemble mounting screws on the base using a proper torque.

Power connector is automatically connected by screw assembly.

**Před zahájením montáže ventilu na základovou desku zkontrolujte přítomnost těsnění základny do správné polohy (na rozdělovači).**

**Ventil a drážka sběrného potrubí musí být vyrovnány. Pouze pokud jsou drážky vyrovnány, jde umístit napájecí konektor a upevňovací šrouby.**

**Při montáži ventilu vložte ventil do drážky základny předem a poté namontujte montážní šrouby na základnu pomocí správného točivého momentu.**

**Napájecí konektor je automaticky spojen šroubovou sestavou.**

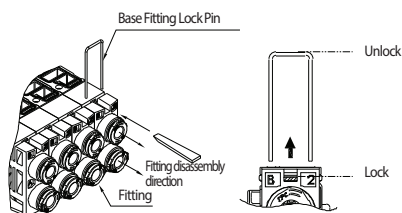
*Prima di cominciare il montaggio della valvola sulla sottobase, assicurarsi della presenza della guarnizione sagomata nella posizione corretta (sulla sottobase).*

*Il perno (bump) sul corpo della valvola e la sede (groove) della sottobase, devono essere allineate. Solo se allineate, il connettore dell'alimentazione e gli interassi di fissaggio delle viti saranno coincidenti.*

*Inserire il perno della valvola nella sede della sottobase prima di cominciare l'assemblaggio completo, successivamente avvitare le viti utilizzando una forza adeguata.*

*L'alimentazione si connette in automatico mentre vengono fissate le viti.*

FITTING REPLACEMENT METHOD / ZPŮSOB VÝMĚNY VÝMĚNY / SISTEMA PER SOSTITUIRE I RACCORDI



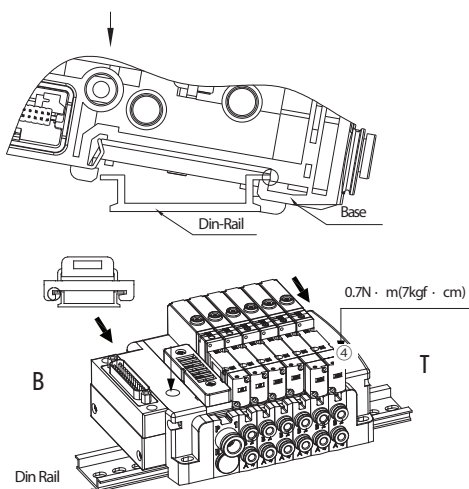
Lift the base fitting lock pin with a flat tool (like flat-head screwdriver) without applying excessive force by using a leverage effect till reach the disassemble status. After having removed the lock pin, gradually increase the force on fittings to extract them into forward direction.

**Zvedněte zajišťovací kolík základny plochým nástrojem (např. šroubovákem s plochou hlavou) bez použití nadměrné síly pomocí pákového efektu, dokud nedosáhnete stavu rozebrání. Po vyjmutí pojistného kolíku postupně zvyšujte sílu na šrouby a vyjměte je směrem dopředu.**

*Solleverare il perno di blocco del raccordo di base con un utensile piatto (es. un cacciavite a testa piatta) senza applicare una forza eccessiva e usando l'effetto leva fino al raggiungimento dello stato di smontaggio.*

*Dopo aver rimosso il perno di blocco, aumentare gradualmente la forza sui raccordi per estrarli secondo il loro asse.*

DIN-RAILTYPE MOUNTING / SYSTÈME DE MONTAGE AVEC LE RAIL DIN / SISTEMA DI MONTAGGIO CON GUIDA DIN



Use the DIN rail stopper (metal) mounted onto T and B-side covers to fix the valves island on the DIN rail.

Since the DIN rail stopper is possibly assembled under unstable conditions as it is shown in the figure, please connect both screws while pulling the valve's cover into the arrow direction.

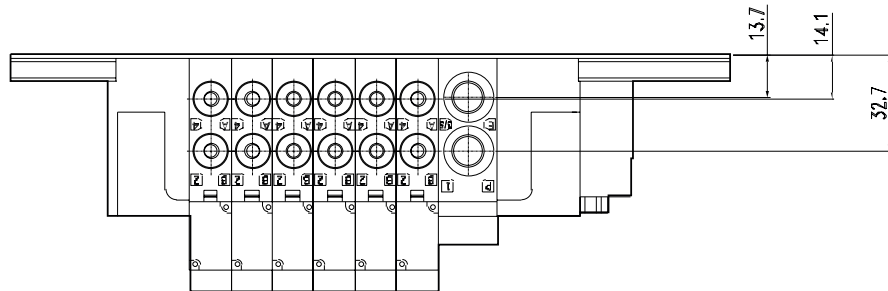
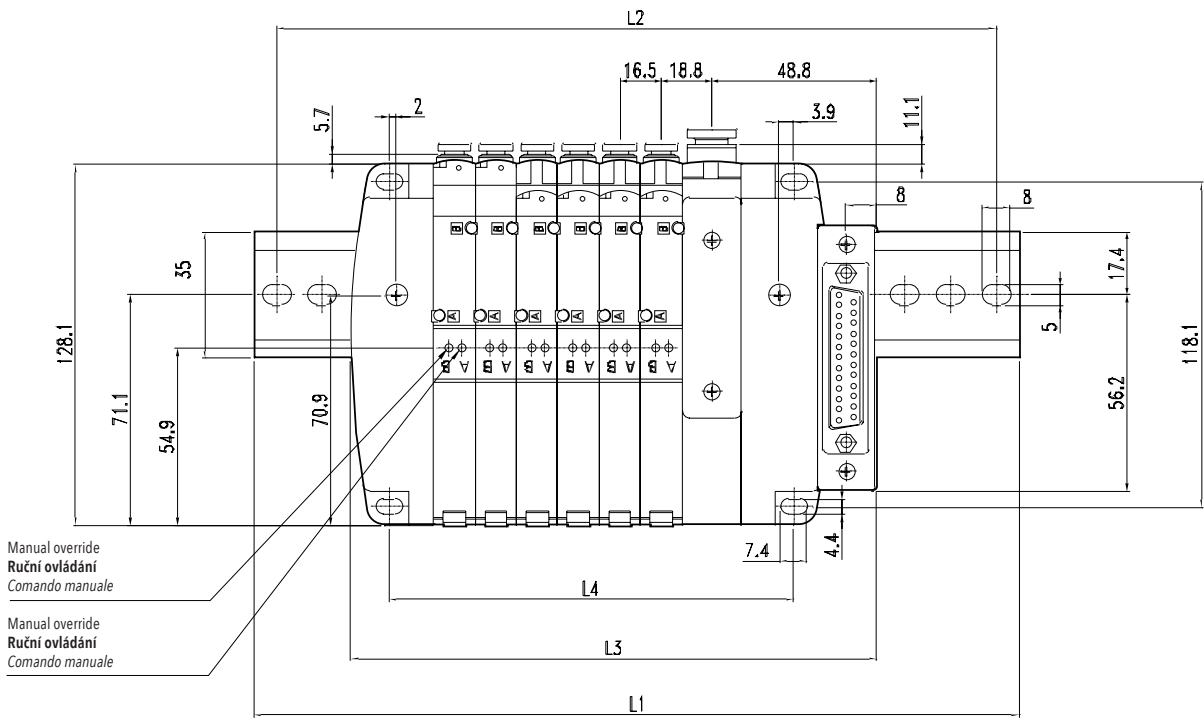
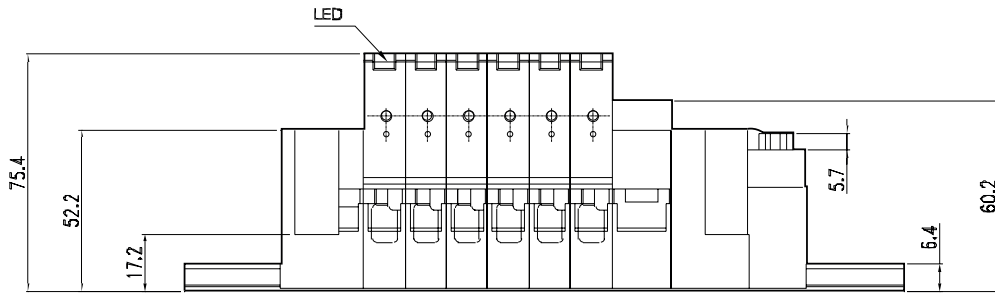
**K upevnění ostrovů ventilů na DIN lištu použijte zátku na DIN lištu (kovovou) namontovanou na krytech na straně T a B.**

**Vzhledem k tomu, že zářezka na DIN lištu je možná sestavena za nestabilních podmínek, jak je znázorněno na obrázku, připojte oba šrouby a současně táhněte kryt ventilu do směru šipky.**

*Utilizzare i fermi per la guida DIN montati sulle testate B e T per fissare l'isola di valvole sulla guida.*

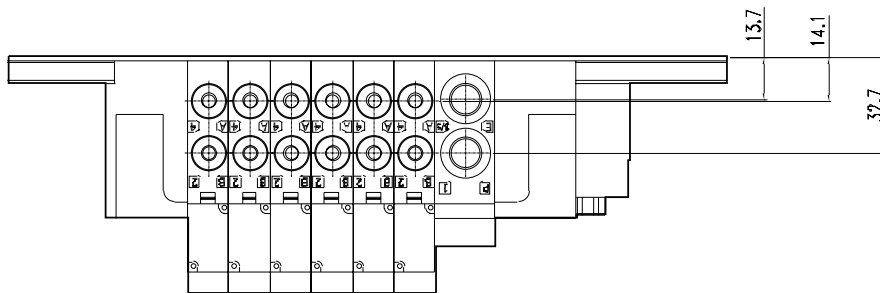
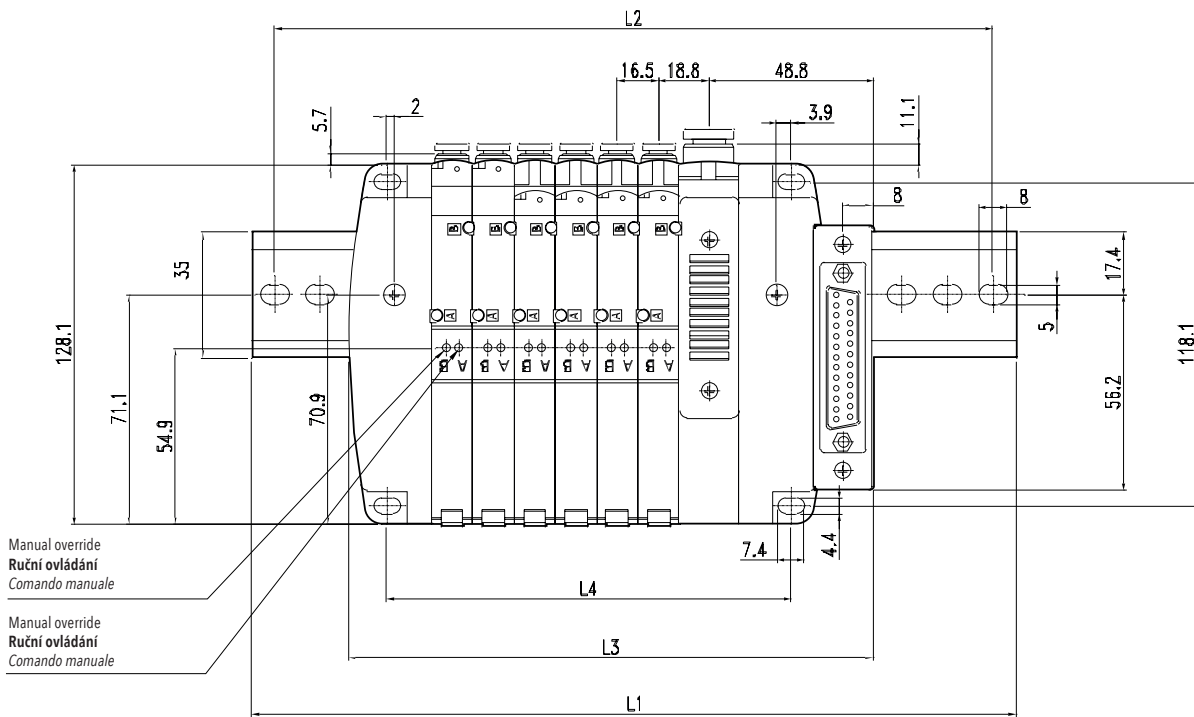
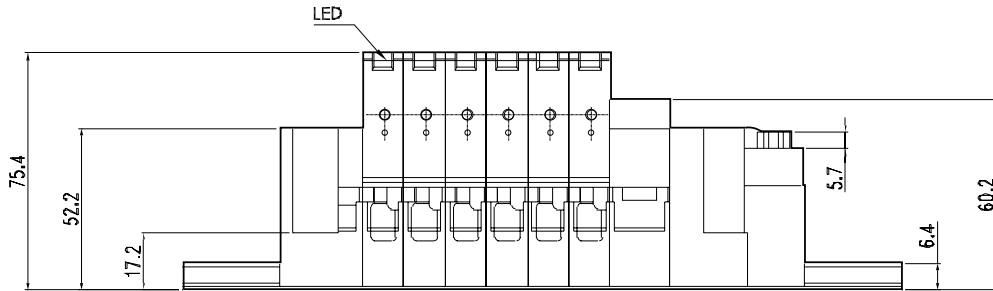
*Siccome i fermi possono essere fissati anche in condizioni instabili, come mostrato in figura, stringere le viti spingendo l'isola di valvole nella direzione indicata dalla freccia.*

- D-SUB CONNECTOR / KONEKTORY D-SUB / CONNETTORE D-SUB



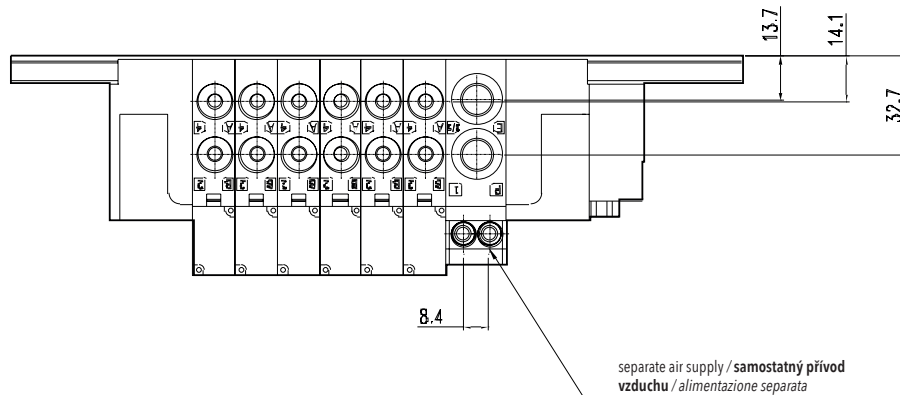
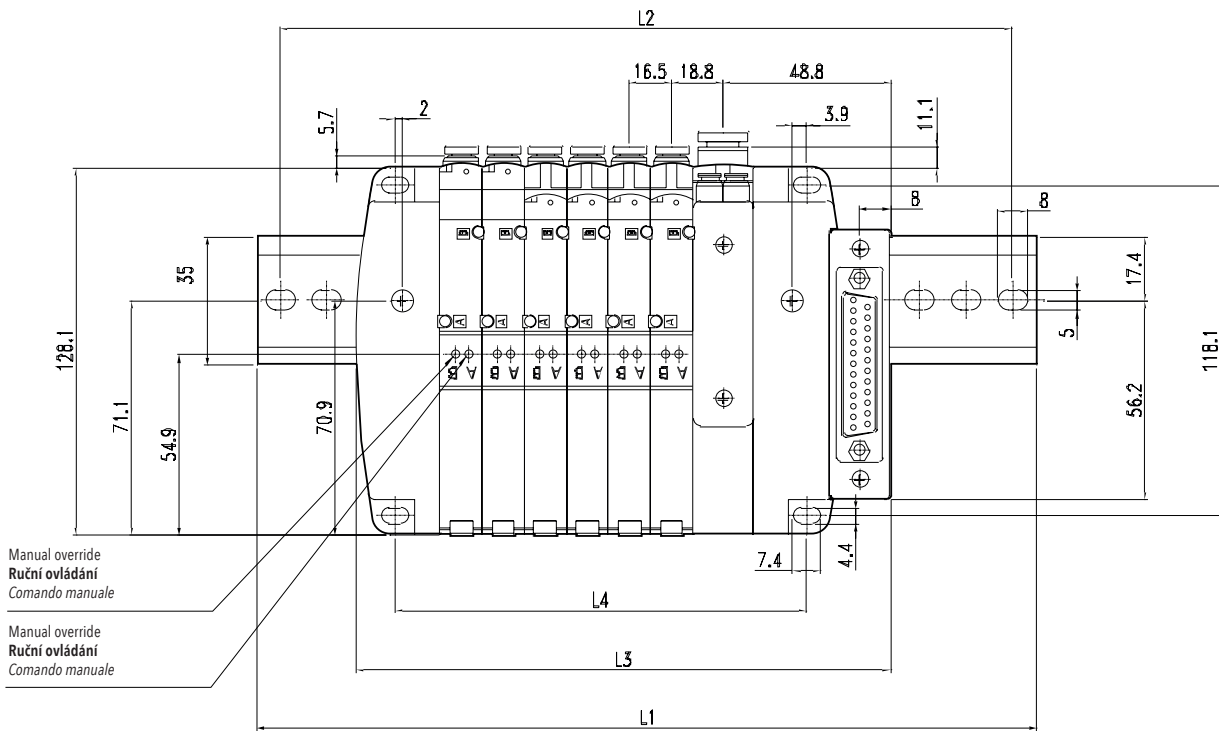
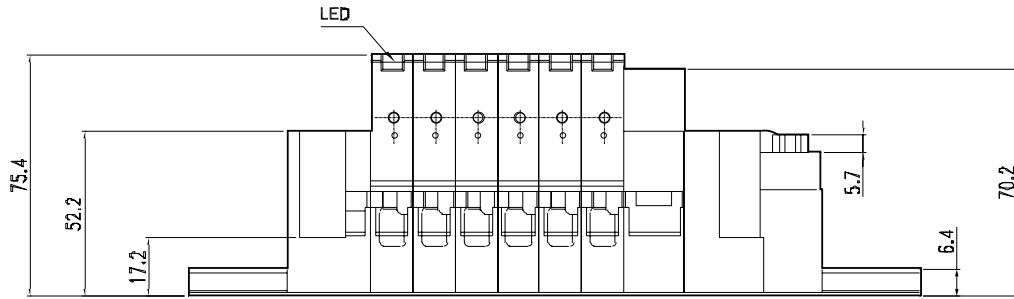
dim \ pos	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	250				300				400				500				587						
L2	237.5				287.5				387.5				487.8				574.5						
L3	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	287.2	303.7	320.2	336.7	353.2	369.7	386.2	402.7	419.2	435.7	452.2	468.7	485.2	501.7
L4	81	97.5	114	130.5	147	163.5	180	196.5	213	250.5	267	283.5	300	316.5	333	349.5	366	382.5	399	415.5	432	448.5	465

- D-SUB CONNECTOR / KONEKTORY D-SUB / CONNETTORE D-SUB
- BUILT-IN SILENCER / INTEGROVANÝ MUFFLER / SILENZIATORE INTEGRATO



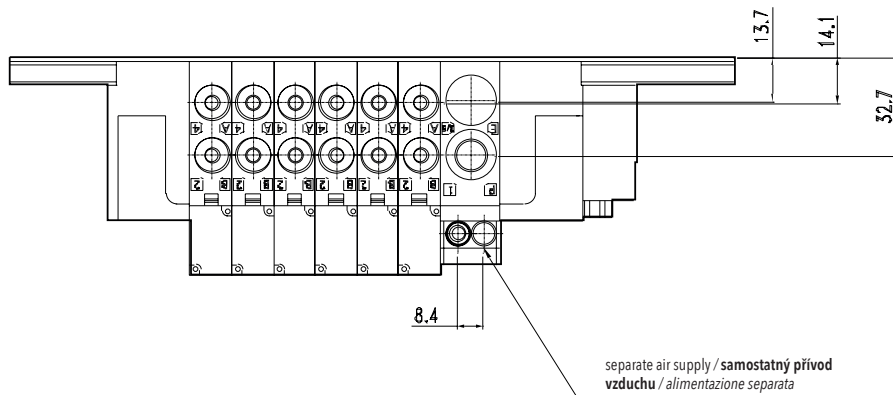
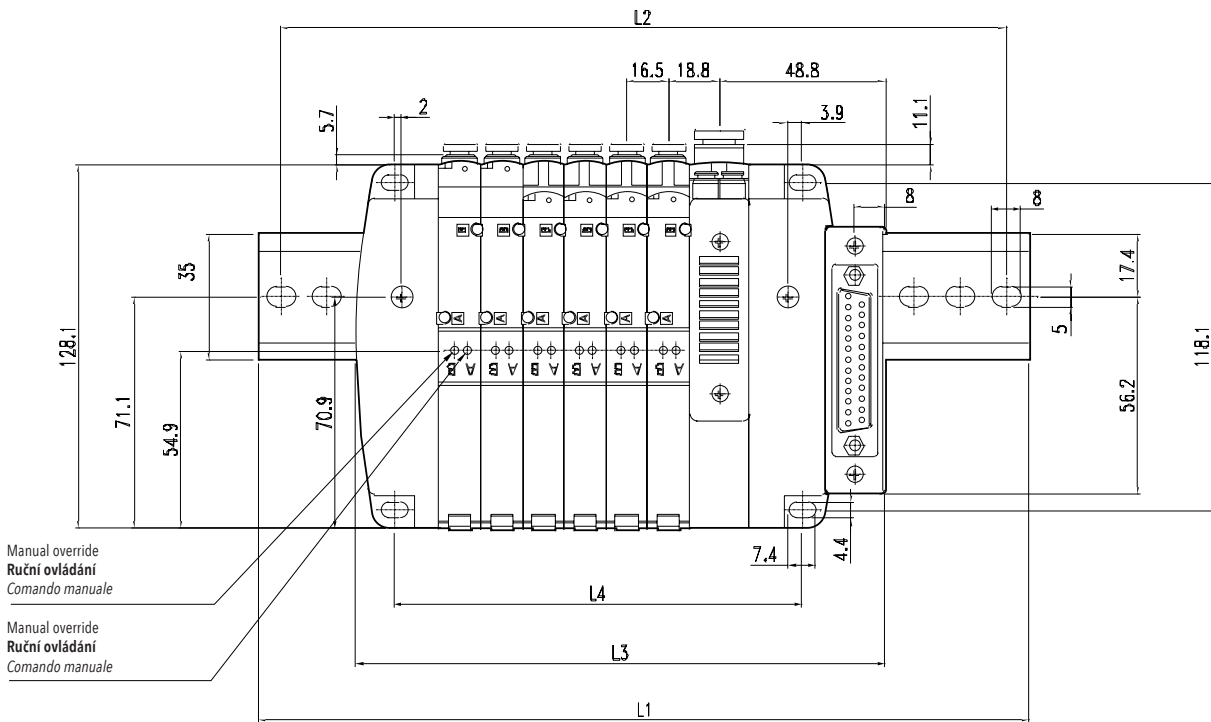
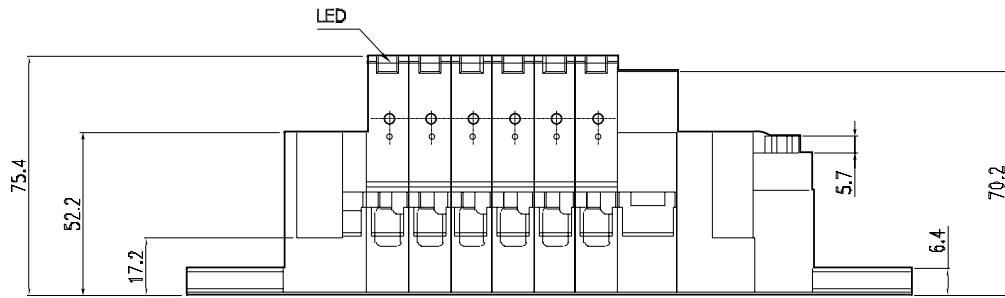
dim \ pos	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
L1	250					300					400					500					587			
L2	237.5					287.5					387.5					487.8					574.5			
L3	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	287.2	303.7	320.2	336.7	353.2	369.7	386.2	402.7	419.2	435.7	452.2	468.7	485.2	501.7	
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- D-SUB CONNECTOR / KONEKTORY D-SUB / CONNETTORE D-SUB
- SEPARATE AIR SUPPLY / SAMOSTATNÉ VSTUPY / ALIMENTAZIONE SEPARATA



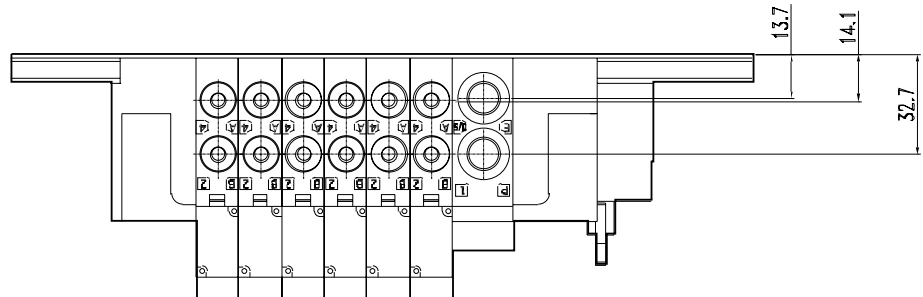
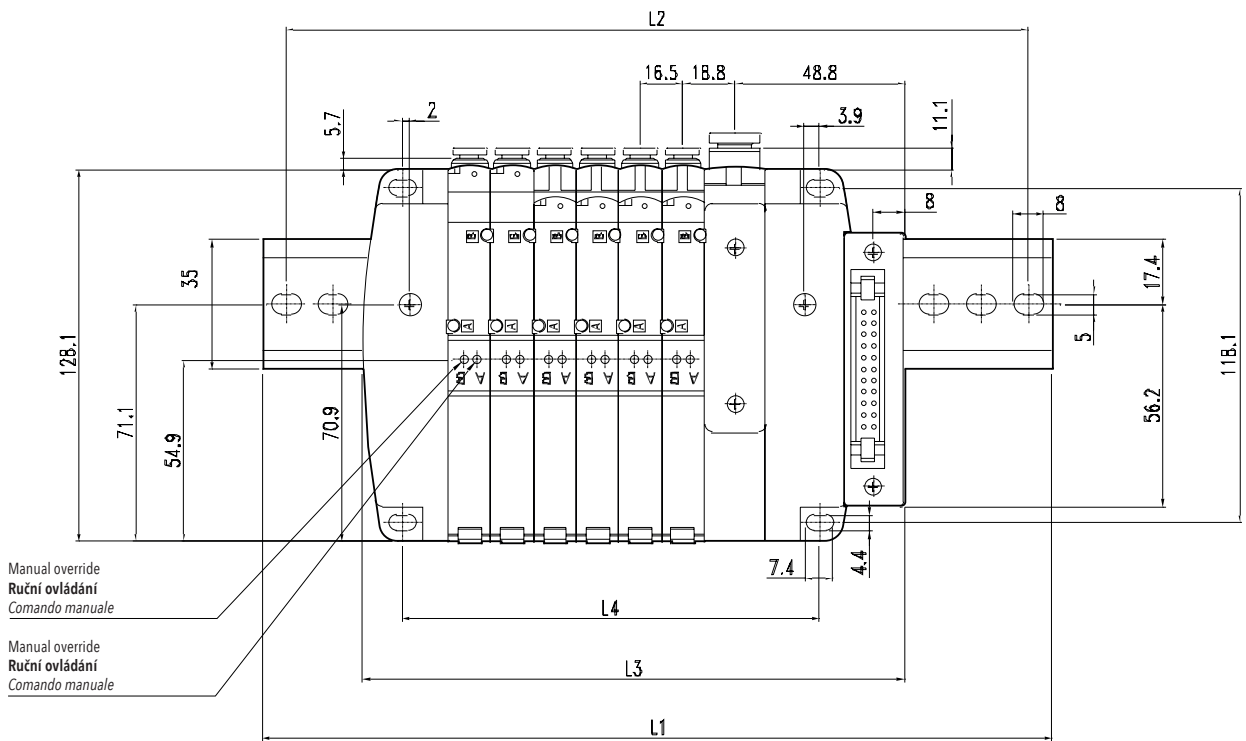
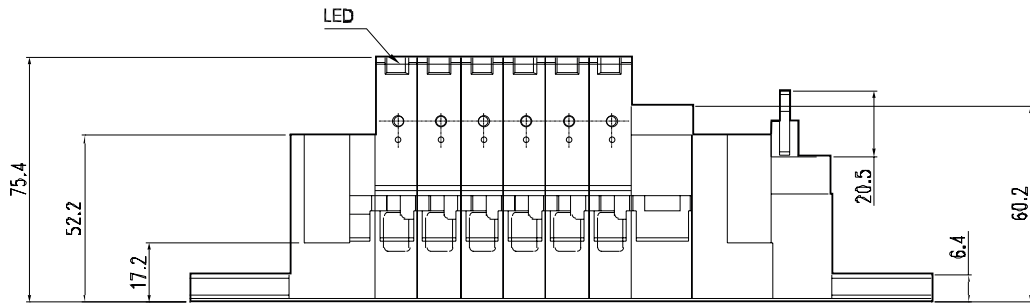
dim \ pos	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	250				300				400				500				587						
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L3	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	287.2	303.7	320.2	336.7	353.2	369.7	386.2	402.7	419.2	435.7	452.2	468.7	485.2	501.7
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- D-SUB CONNECTOR / KONEKTORY D-SUB / CONNETTORE D-SUB
- SEPARATE AIR SUPPLY / SAMOSTATNÉ VSTUPY / ALIMENTAZIONE SEPARATA
- BUILT-IN SILENCER / INTEGROVANÝ MUFFLER / SILENZIATORE INTEGRATO



dim \ pos	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1			250				300				400					500					587		
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L3	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	287.2	303.7	320.2	336.7	353.2	369.7	386.2	402.7	419.2	435.7	452.2	468.7	485.2	501.7
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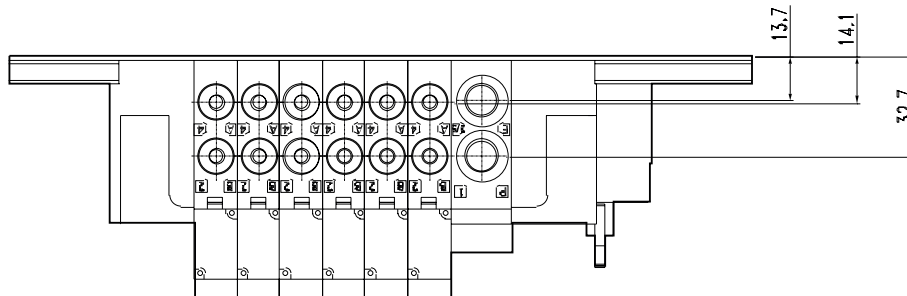
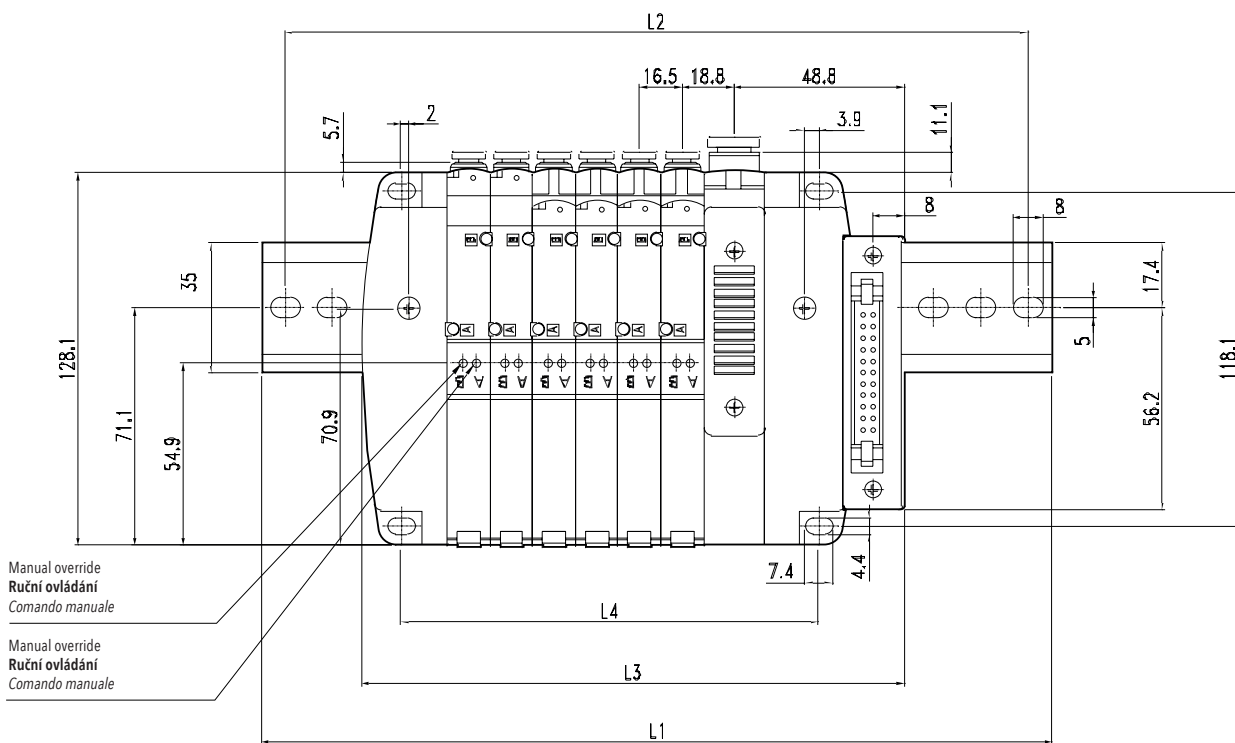
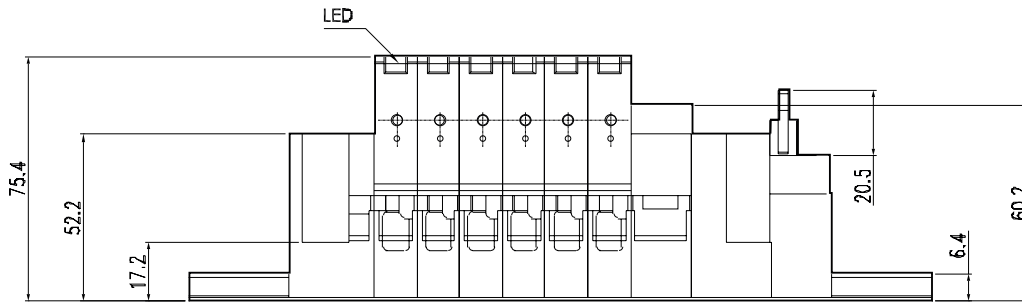
• FLAT CONNECTOR / KONEKTORY FLAT / CONNETTORE FLAT



dim \ pos	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	250				300				400				500				587						
L2	237.5				287.5				387.5				487.8				574.5						
L3	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	287.2	303.7	320.2	336.7	353.2	369.7	386.2	402.7	419.2	435.7	452.2	468.7	485.2	501.7
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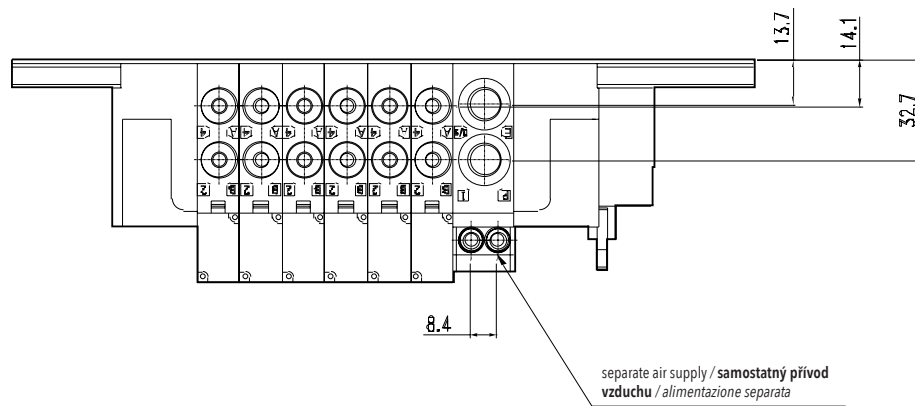
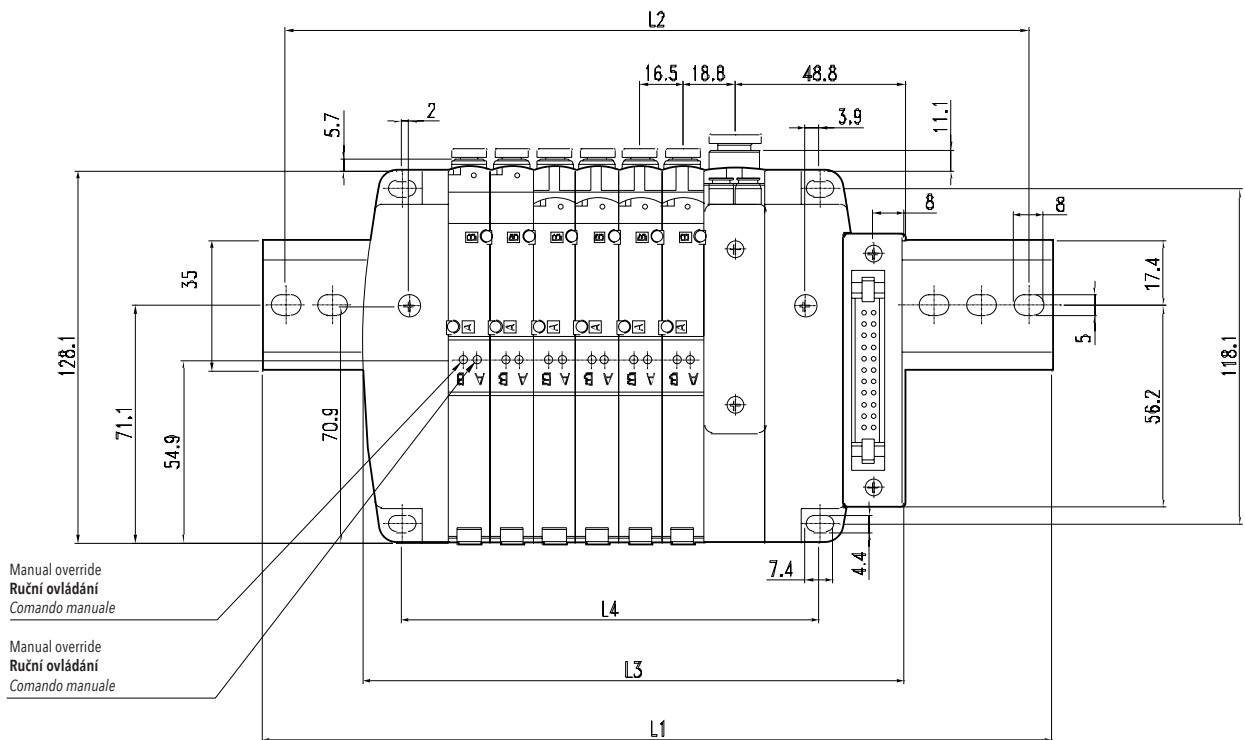
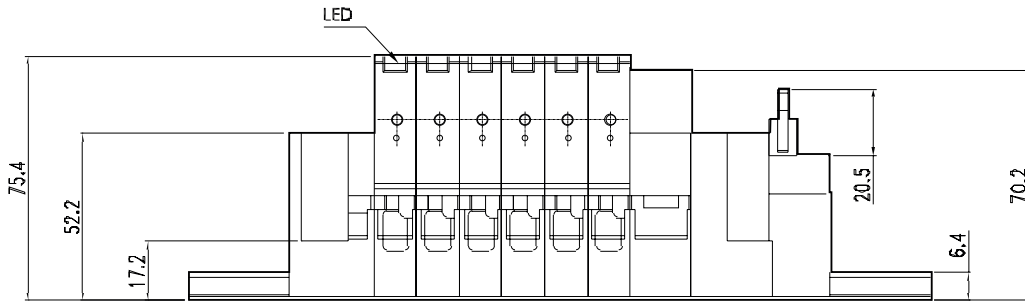


- FLAT CONNECTOR / KONEKTORY FLAT / CONNETTORE FLAT
- BUILT-IN SILENCER / INTEGROVANÝ TLUMIČ HLUKU / SILENZIATORE INTEGRATO



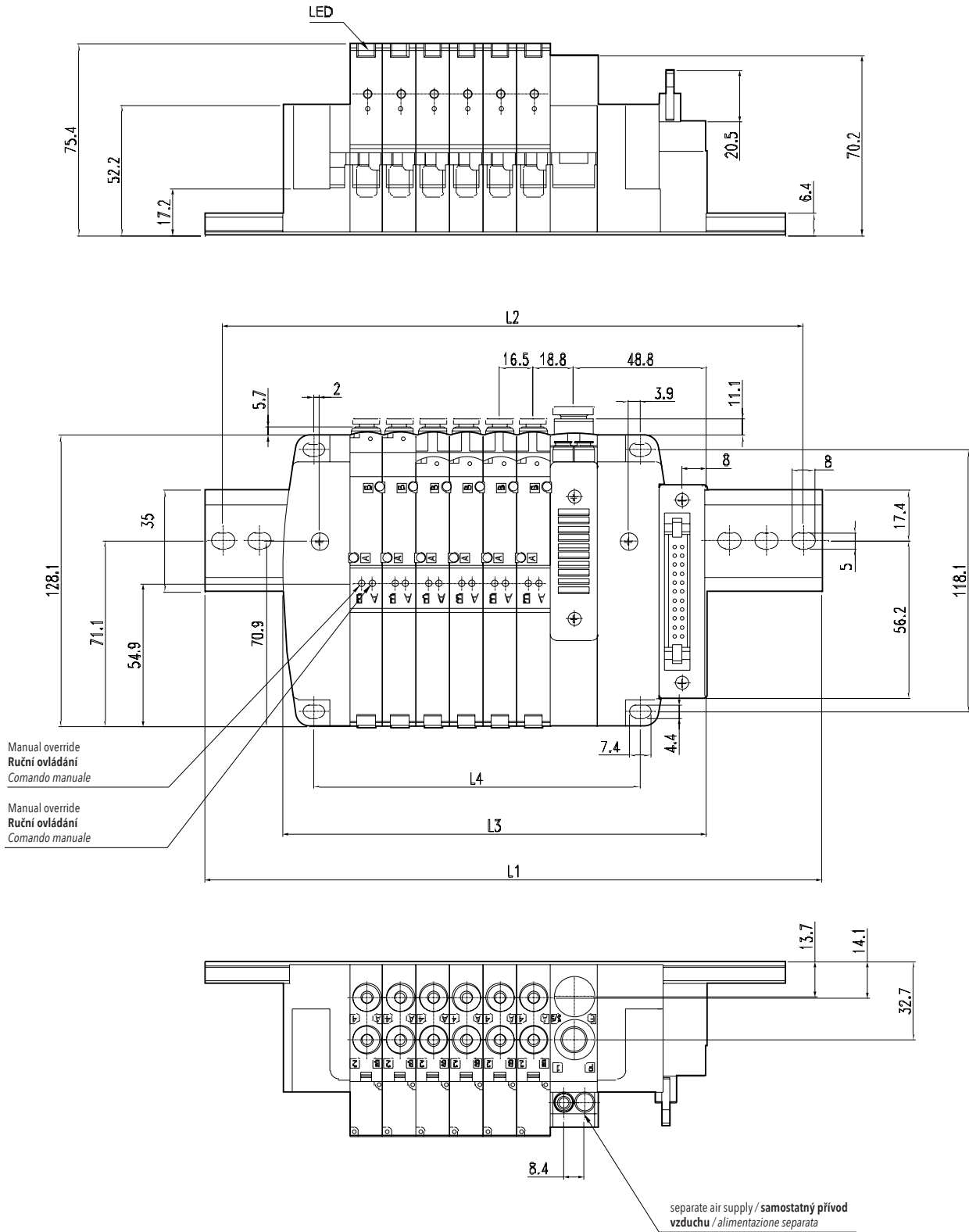
dim \ pos	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
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- FLAT CONNECTOR / KONEKTORY FLAT / CONNETTORE FLAT
- SEPARATE AIR SUPPLY / SAMOSTATNÉ VSTUPY / ALIMENTAZIONE SEPARATA



dim \ pos	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	250				300				400				500				587						
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- FLAT CONNECTOR / KONEKTORY FLAT / CONNETTORE FLAT
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dim \ pos	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1			250					300				400					500					587	
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**ELECTRICAL CONNECTION SYSTEM / ELEKTRICKÉ PŘIPOJENÍ / SISTEMA DI CONNESSIONE ELETTRICA**

For non-polarized solenoid valves, you can use any of (+) or (-) common.

Since wiring is shown for less than 12 connections, for D-SUB wiring the single is available only for Sol A, double is a sequence of 1-14 / 2-15 / etc.

Flat cable connector has to be done with sequence of 1-2 / 3-4 / etc.. without any omission. However, it should be cautious that the possibility to combine single and double solenoids is different from the wiring beside.

**U nepolárních polarizovaných solenoidových ventilů můžete použít kterýkoli z (+) nebo (-) běžných.**

**Protože zapojení je zobrazeno pro méně než 12 připojení, pro zapojení D-SUB je jediný k dispozici pouze pro Sol A, dvojitá je sekvence 1-14 / 2-15 / atd.**

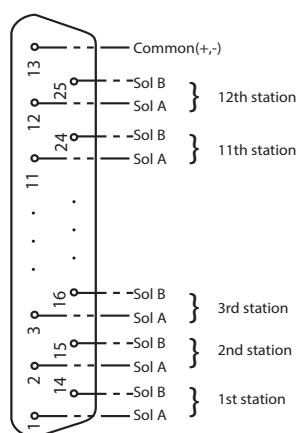
**Konektor plochého kabelu musí být proveden se sekvencí 1-2 / 3-4 / atd. Bez opomenutí. Mělo by však být opatrné, že možnost kombinovat jednoduché a dvojitě solenoidy se liší od vedení vedle.**

*Per le elettrovalvole non polarizzate, è possibile utilizzare qualsiasi filo (+) o (-) comune. Poiché il cablaggio è mostrato per meno di 12 connessioni, per il cablaggio D-SUB il singolo è disponibile solo per il Sol A, per il doppio è una sequenza di 1-14 / 2-15 / ecc.*

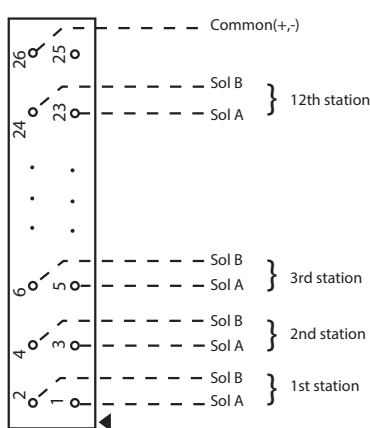
*La connessione del cavo FLAT deve essere fatta con sequenza di 1-2 / 3-4 / ecc. senza alcuna omissione.*

*Tuttavia, dovrebbe essere tenuto in considerazione che la possibilità di combinare solenoidi singoli e doppi sia diversa dal cablaggio mostrato qui accanto.*

**D-SUB / D-SUB / D-SUB**



**FLAT / FLAT / FLAT**



**D-SUB CONNECTION SYSTEM / PŘIPOJOVACÍ SYSTÉM D-SUB / SISTEMA DI CONNESSIONE PER D-SUB**

N°	WIRE COLOR / BARVA DÍLŮ / COLORE FILI	N°	WIRE COLOR / BARVA DÍLŮ / COLORE FILI
1	Black / Černá / Nero	14	Green yellow line / Zelená žlutá čára / Verde linea gialla
2	Black white line / Černá bílá čára / Nero linea bianca	15	Green white line / Zelená bílá čára / Verde linea bianca
3	Brown / Hnědý / Marrone	16	Blue / Modrý / Blu
4	Brown white line / Hnědá bílá čára / Marrone linea bianca	17	Blue yellow line / Modrá žlutá čára / Blu linea gialla
5	Red / Červené / Rosso	18	Blue white line / Modrá bílá čára / Blu linea bianca
6	Red yellow line / Červená žlutá čára / Rosso linea gialla	19	Violet / Fialový / Viola
7	Red white line / Červená bílá čára / Rosso linea bianca	20	Violet white line / Fialová bílá čára / Viola linea bianca
8	Pink / Růžový / Rosa	21	Gray / Šedá / Grigio
9	Pink white line / Růžová bílá čára / Rosa linea bianca	22	Gray red line / Šedá červená čára / Grigio linea rossa
10	Yellow / Žlutá / Giallo	23	White / Bílý / Bianco
11	Yellow red line / Žlutá červená čára / Giallo linea rossa	24	White red line / Bílá červená čára / Bianco linea rossa
12	Yellow blue line / Žlutá modrá čára / Giallo linea blu	25	White blue line / Bílá modrá čára / Bianco linea blu
13	Green / Zelený / Verde		



The VI Series complies with ISO 5599/1 norms.  
 They are entirely made in aluminium in order to grant strength and long durability.  
 They are available in ISO 1 and ISO 2 with different bases according to the different applications.

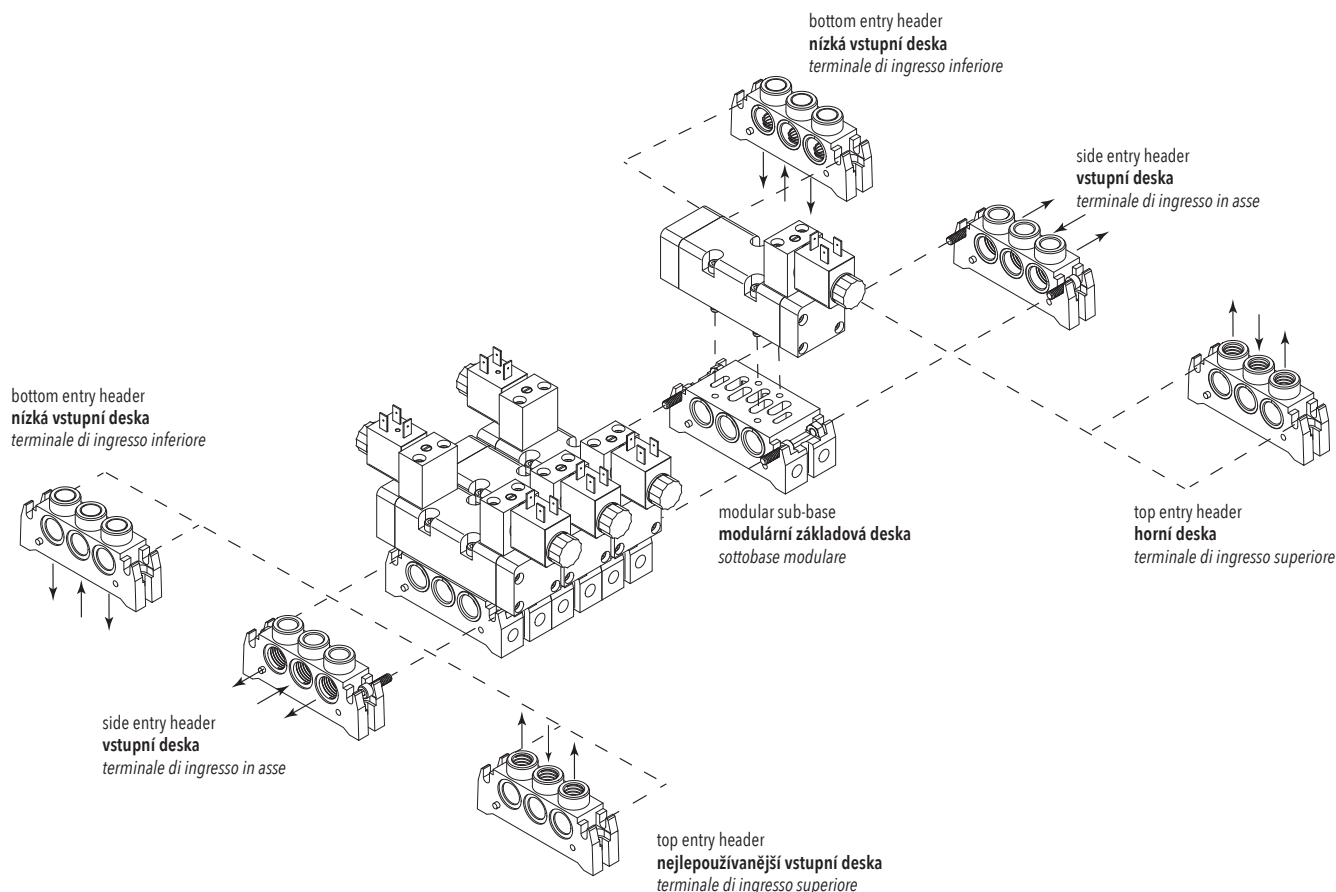
**Řada VI splňuje normy ISO 5599/1.**  
**Jsou vyrobeny z hliníku, aby poskytovaly pevnost a dlouhou životnost.**  
**Jsou k dispozici v ISO 1 a ISO 2 s různými základnami podle různých aplikací.**

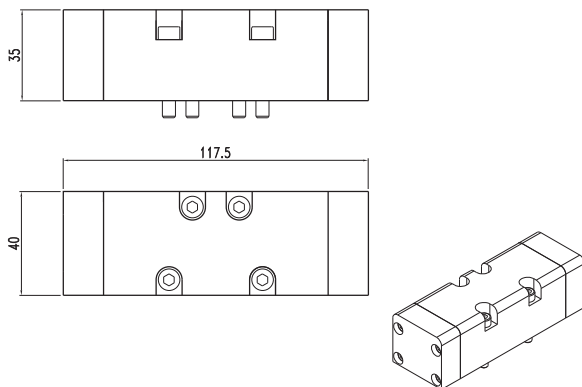
*Le valvole della serie VI sono realizzate per rispondere alla normativa 5599/1.*  
*Costruzione interamente in alluminio per garantire solidità e lunga durata.*  
*Sono disponibili nella tagli ISO 1 e ISO 2 con diverse configurazioni di sottobasi.*

**TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI**

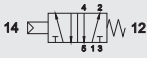


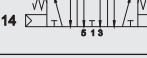

Fluid / Tekutina / Fluido	Lubricated or non lubricated air / <b>Mazaný nebo nemazaný vzduch</b> / Aria con o senza lubrificazione	
Temperature range / Provozní teplota / Temperatura di esercizio	-10°C / + 60°C	
Actuating pressure / Přívodní tlak / Pressione di azionamento		
• Monostable / Monostabilní / Monostabile	2.5 - 10bar	
• Bistable / bistabilní / Bistabile	1 - 10bar	
	ISO 1	ISO 2
Nominal orifice / Jmenovitý průměr / Diametro nominale	7,5mm	9mm
Flow rate to 6 bar and Δp 1 bar / Průtok à 6 bar Δp 1 bar / Portata a 6 bar e Δp 1 bar	1100 Nl/min	2700 Nl/min
TRR monostabile a 6bar / TRA / TRA	24ms / 50ms	39ms / 60ms
TRR monostabile a 6bar / TRA / TRA	80ms / 80ms	90ms / 90ms

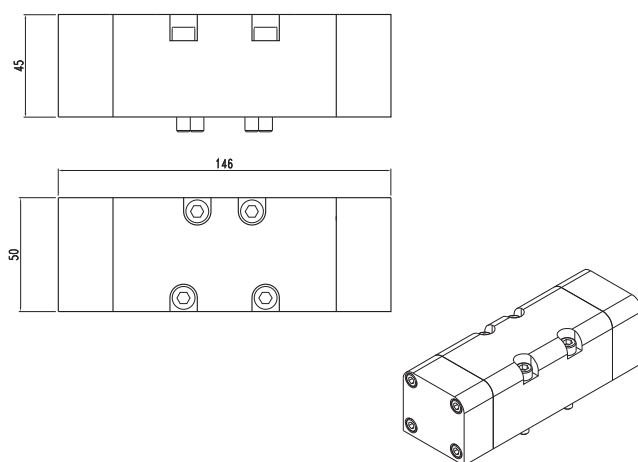
**ASSEMBLY SYSTEM / MONTÁŽNÍ SYSTÉM / SISTEMA DI MONTAGGIO**










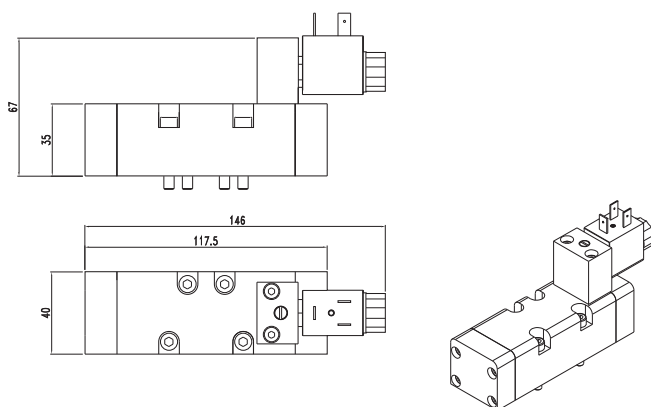
ISO 1  
PNEUMATIC PILOT / PNEUMATICKÁ KONTROLA / COMANDO PNEUMATICO

<b>VI115010</b>	5/2 monostable <b>5/2 monostabilní</b> 5/2 monostabile	
<b>VI115020</b>	5/2 bistable <b>5/2 bistabilní</b> 5/2 bistabile	
<b>VI116021</b>	5/3 closed centres <b>5/3 zavřený střed</b> 5/3 centri aperti	
<b>VI116022</b>	5/3 open centres <b>5/3 otevřený střed</b> 5/3 centri aperti	
<b>VI116023</b>	5/3 press.centres <b>5/3 pod tlakem</b> 5/3 centri in pressione	



ISO 2  
PNEUMATIC PILOT / PNEUMATICKÁ KONTROLA / COMANDO PNEUMATICO

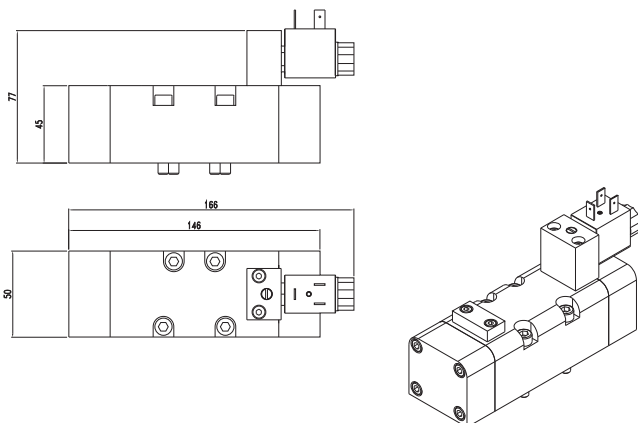
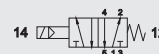
<b>VI125010</b>	5/2 monostable <b>5/2 monostabilní</b> 5/2 monostabile	
<b>VI125020</b>	5/2 bistable <b>5/2 bistabilní</b> 5/2 bistabile	
<b>VI126021</b>	5/3 closed centres <b>5/3 zavřený střed</b> 5/3 centri aperti	
<b>VI126022</b>	5/3 open centres <b>5/3 otevřený střed</b> 5/3 centri aperti	
<b>VI126023</b>	5/3 press.centres <b>5/3 pod tlakem</b> 5/3 centri in pressione	



ISO 1  
ELECTRIC PILOT / ELEKTRICKY OVLÁDANÝ / COMANDO ELETTRICO

5/2 monostable  
**5/2 monostabilní**  
5/2 monostabile

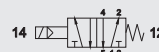
CODE  
**VI215030**

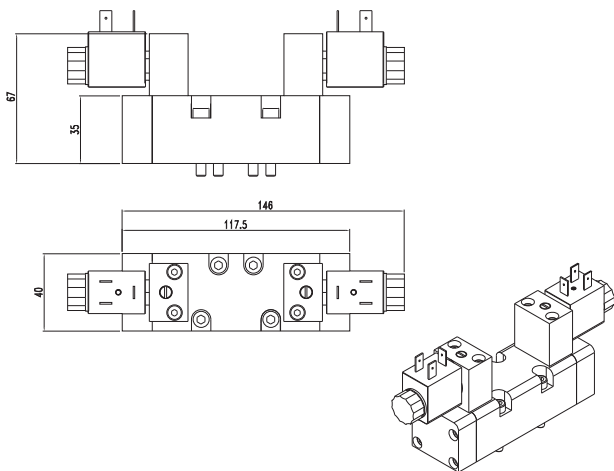


ISO 2  
ELECTRIC PILOT / ELEKTRICKY OVLÁDANÝ / COMANDO ELETTRICO

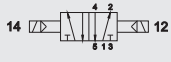

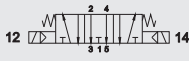
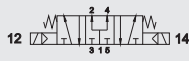
5/2 monostable  
**5/2 monostabilní**  
5/2 monostabile

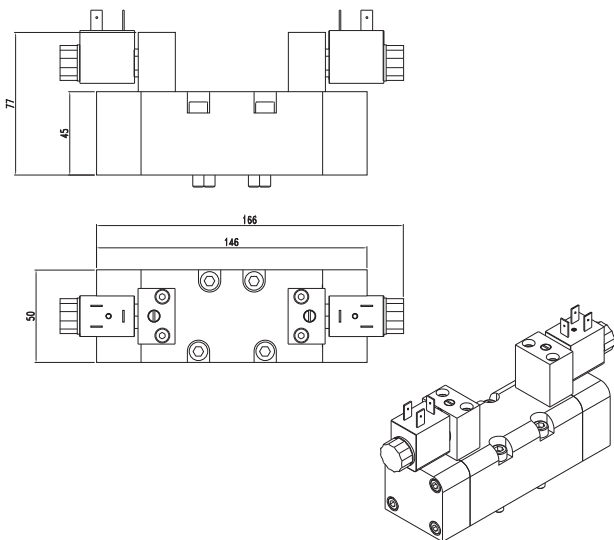
CODE  
**VI225030**








ISO 1  
 ELECTRIC PILOT / ELEKTRICKY OVLÁDANÝ / COMANDO ELETTRICO

CODE: VI215040	5/2 bistable 5/2 <b>bistabilní</b> 5/2 <i>bistabile</i>	
CODE: VI216041	5/3 closed centres 5/3 <b>uzavřená centra</b> 5/3 <i>centri chiusi</i>	
CODE: VI216042	5/3 open centres 5/3 <b>otevřené centrum</b> 5/3 <i>centri aperti</i>	
CODE: VI216043	5/3 press.centres 5/3 <b>tlačové centrum</b> 5/3 <i>centri in pressione</i>	

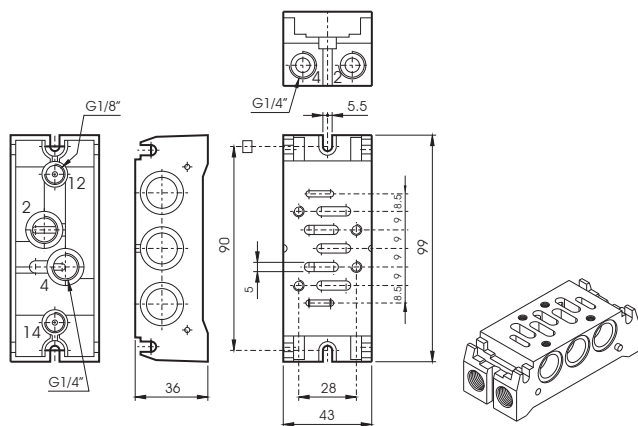


ISO 2  
 ELECTRIC PILOT / ELEKTRICKY OVLÁDANÝ / COMANDO ELETTRICO

CODE: VI225040	5/2 bistable 5/2 <b>bistabilní</b> 5/2 <i>bistabile</i>	
CODE: VI226041	5/3 closed centres 5/3 <b>uzavřená centra</b> 5/3 <i>centri chiusi</i>	
CODE: VI226042	5/3 open centres 5/3 <b>otevřené centrum</b> 5/3 <i>centri aperti</i>	
CODE: VI226043	5/3 press.centres 5/3 <b>tlačové centrum</b> 5/3 <i>centri in pressione</i>	

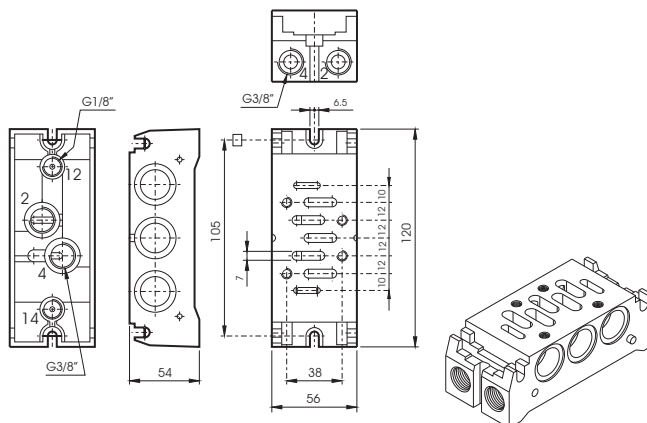
MODULAR SUB-BASE ISO 1  
 MODULÁRNÍ ZÁKL.DESKA ISO 1  
 SOTTOBASE MODULARE ISO 1

CODE  
**SB40401100**



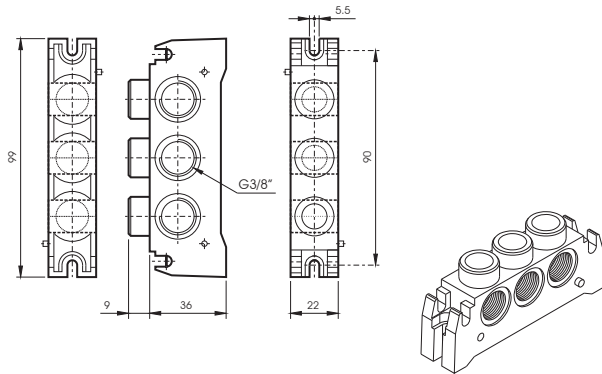
MODULAR SUB-BASE ISO 2  
 MODULÁRNÍ ZÁKL.DESKA ISO 2  
 SOTTOBASE MODULARE ISO 2

CODE  
**SB40461100**



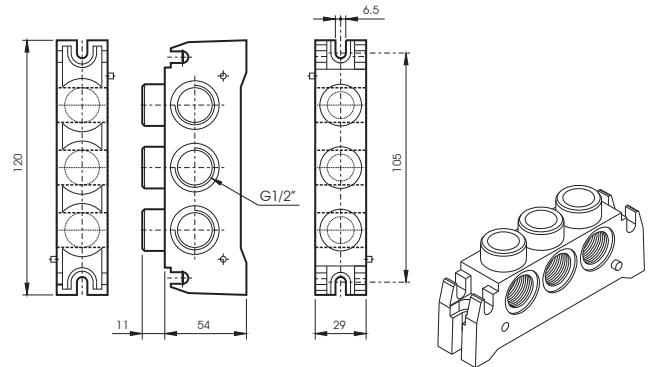
SIDE ENTRY HEADER ISO 1  
**VSTUPNÍ DESKA AXIÁLNÍ ISO 1**  
 TERMINALE DI INGRESSO IN ASSE ISO 1

CODE  
**SB40400001**



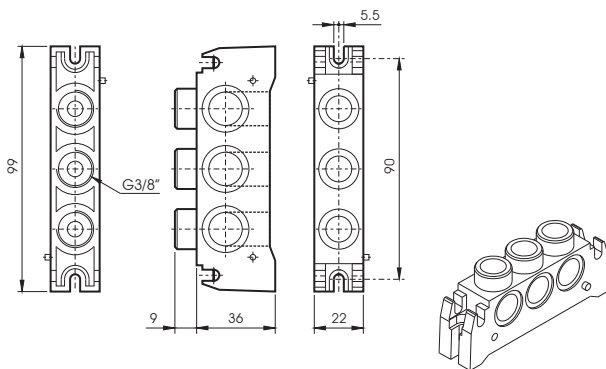
SIDE ENTRY HEADER ISO 2  
**VSTUPNÍ DESKA AXIÁLNÍ ISO 2**  
 TERMINALE DI INGRESSO IN ASSE ISO 2

CODE  
**SB40460001**



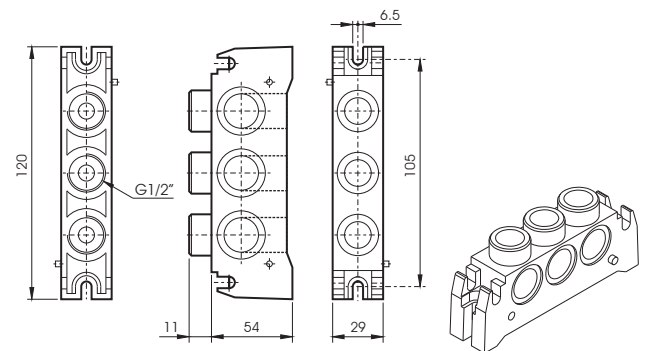
BOTTOM ENTRY HEADER ISO 1  
**DOLNÍ VSTUP ISO 1 NÍŽKÝ**  
 TERMINALE DI INGRESSO INFERIORE ISO 1

CODE  
**SB40400003**



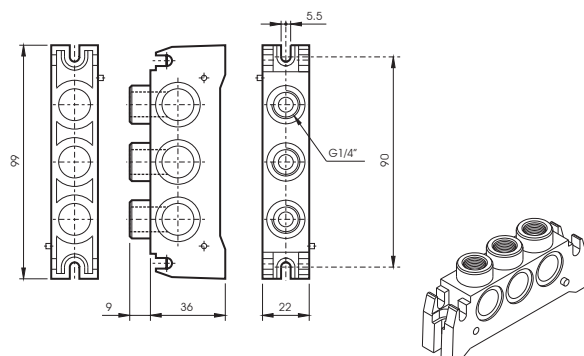
BOTTOM ENTRY HEADER ISO 2  
**DOLNÍ VSTUP ISO 2 NÍŽKÝ**  
 TERMINALE DI INGRESSO INFERIORE ISO 2

CODE  
**SB40460003**



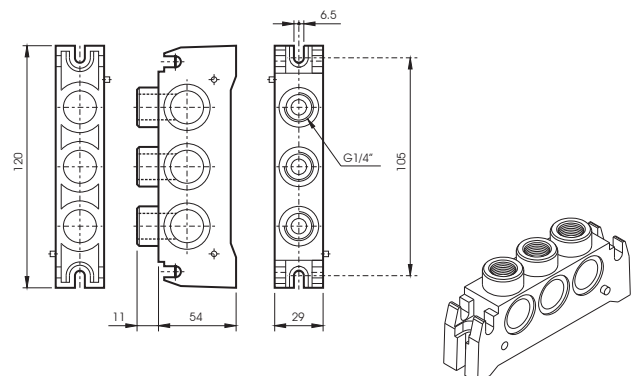
TOP ENTRY HEADER ISO 1  
**ZÁKLADNÍ VSTUPNÍ DESKA ISO 1**  
 TERMINALE DI INGRESSO SUPERIORE ISO 1

CODE  
**SB40400002**



TOP ENTRY HEADER ISO 2  
**ZÁKLADNÍ VSTUPNÍ DESKA ISO 2**  
 TERMINALE DI INGRESSO SUPERIORE ISO 2

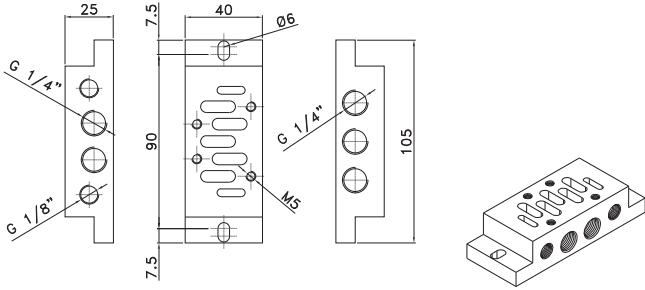
CODE  
**SB40460002**





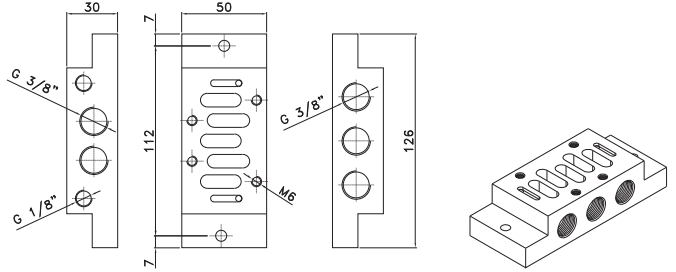
SINGLE SUB-BASE ISO 1  
**JEDNOPOZICOVÁ DESKA ISO 1**  
*SOTTOBASE SINGOLA ISO 1*

CODE  
**SB40400100**



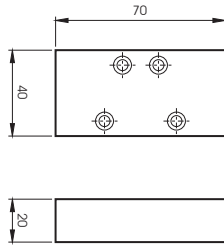
SINGLE SUB-BASE ISO 2  
**JEDNOPOZICOVÁ DESKA ISO 2**  
*SOTTOBASE SINGOLA ISO 2*

CODE  
**SB40460100**



BLANKING PLATE ISO 1  
**ZÁSLEPKA JEDNÉ POZICE ISO 1**  
*PIASTRINA DI CHIUSURA ISO 1*

CODE  
**SB40400004**



DIAPHRAGM GASKET  
**ZÁSLEPKA S TĚSNĚNÍM**  
*GUARNIZIONE DIAFRAMMA*

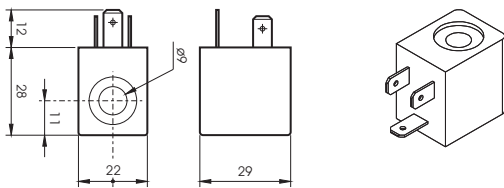
CODE  
**SB40400005**



COILS 22mm  
**BOBINE 22mm**  
*BOBINE 22mm*

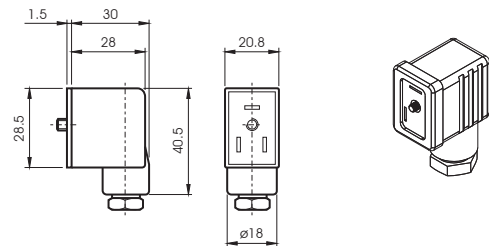
Power / **Jmenovitá spotřeba energie /**  
*Assorbimento*

CODE	Tension	Rated	Inrush
<b>BO4011012</b>	12 VDC	3W	
<b>BO4011024</b>	24 VDC	3W	
<b>BO4012024</b>	24 VAC	5VA	7,5VA
<b>BO4012110</b>	110 VAC	5VA	7,5VA
<b>BO4012220</b>	220 VAC	5VA	7,5VA



CONNECTORS  
**KONEKTORY**  
*CONNETTORI*

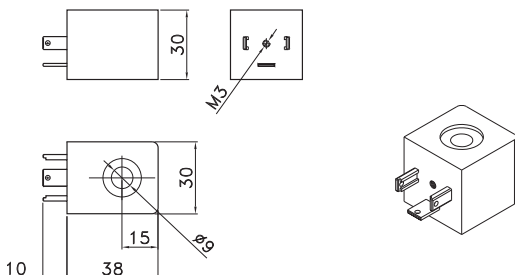
CODE	
<b>AR40696</b>	STANDARD
<b>VX0014</b>	LED 24V
<b>VX0015</b>	LED 110V
<b>VX0016</b>	LED 220V
<b>VX0017</b>	LED+VDR
<b>VX0018</b>	LED+VDR
<b>VX0019</b>	LED+VDR



COILS 30mm  
**CÍVKY 30mm**  
*BOBINE 30mm*

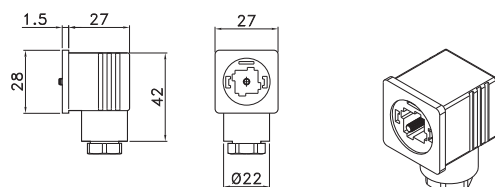
Power / **Jmenovitá spotřeba energie /**  
*Assorbimento*

CODE	Tension	Rated	Inrush
<b>BO4021024</b>	24 VDC	2W	
<b>BO4022024</b>	24 VAC	5VA	9VA
<b>BO4022110</b>	110 VAC	5VA	9VA
<b>BO4020220</b>	220 VAC	5VA	9VA



CONNECTORS  
**KONEKTORY**  
*CONNETTORI*

CODE	
<b>VX0027</b>	STANDARD
<b>VX0028</b>	LED 24V
<b>VX0029</b>	LED 110V
<b>VX0030</b>	LED 220V
<b>VX0031</b>	LED+VDR
<b>VX0032</b>	LED+VDR
<b>VX0033</b>	LED+VDR





Pneumatic and solenoid valves complying with NAMUR norms (direct assembly). Valves are entirely made in aluminium, to improve the solidity and the durability. Available size is 1/4 and available functions are 3/2 and 5/2.

**Pneumatiké a el. magnetické ventily splňující normy NAMUR (přímá montáž). Ventily jsou vyráběny výhradně z hliníku, aby se zlepšila pevnost a trvanlivost. Dostupná velikost je 1/4 a dostupné funkce jsou 3/2 a 5/2.**

Valvole ad azionamento pneumatico ed elettrico con posa di montaggio diretta NAMUR. Costruzione interamente in alluminio per aumentare la robustezza e la durata nel tempo. Disponibili nella taglia 1/4 e nelle funzioni 3/2 e 5/2.

### TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

Flow rate 6 bar  $\Delta p$  1 bar / **Debit a 6 bar  $\Delta p$  1 bar** / Portata a 6 bar  $\Delta p$  1 bar 1100 NI/min

Nominal orifice / **Jmenovitý průměr** / Diametro nominale 7.5mm

Response time pneumatic / **Doba odezvy pneu.** / Tempi di risposta pneumatico

- monostable / **monostabilní** / monostabile TRA 7ms / TRR 15ms
- bistable / **bistabilní** / bistabile TRA 7ms / TRR 7ms

Response time solenoid / **Doba odezvy elect.** / Tempi di risposta elettrico

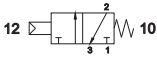
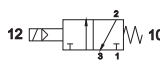

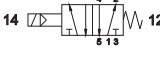

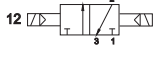


- monostable / **monostabilní** / monostabile TRA 19ms / TRR 45ms
- bistable / **bistabilní** / bistabile TRA 22ms / TRR 22ms

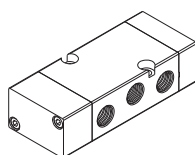
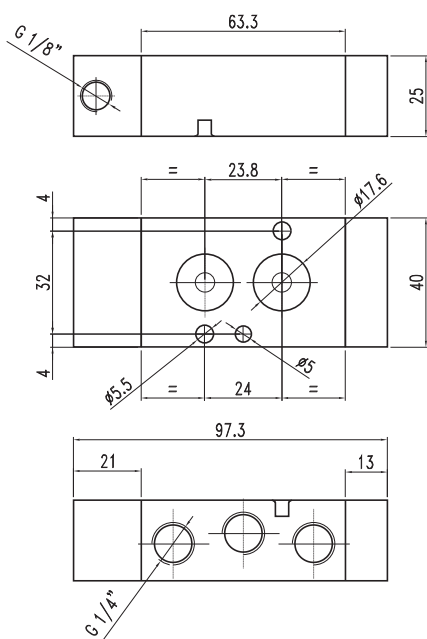
Pressure range / **Pracovní tlak** / Pressione di esercizio

- monostable / **monostabilní** / monostabile 2.5 ÷ 10bar
- bistable / **bistabilní** / bistabile 1 ÷ 10bar

Temperature range / **Provozní teplota** / Temperatura di esercizio -10°C / +60°C

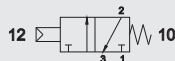
### FAST SELECT / RYCHLÝ VÝBĚR / SELEZIONE RAPIDA

	Pneum. monostable / <b>Pneum. monostabilní</b> / Pneum.monostabile <b>VU43PNMNC-T</b> 3/2 1/4 NC / NZ / NC		Solenoid monostable / <b>El.mag.monostabilní</b> / Elettri.monostabile <b>VU43ELMNC-T</b> 3/2 1/4 NC / NZ / NC
	Pneum. monostable / <b>Pneum. monostabilní</b> / Pneum.mon. <b>VU45PNM00-T</b> 5/2 1/4		Solenoid monostable / <b>El.mag.monostabilní</b> / Elettri.monostabile <b>VU45ELM00-T</b> 5/2 1/4
	Pneum. bistable / <b>Pneum. bistabilní</b> / Pneum.bistabile <b>VU43PNB00-T</b> 3/2 1/4		Solenoid bistable / <b>El.mag. bistabilní</b> / Elettri. bistabile <b>VU43ELB00-T</b> 3/2 1/4
	Pneum. bistable / <b>Pneum. bistabilní</b> / Pneum.bistabile <b>VU45PNB00-T</b> 5/2 1/4		Solenoid bistable / <b>El.mag. bistabilní</b> / Elettri. bistabile <b>VU45ELB00-T</b> 5/2 1/4



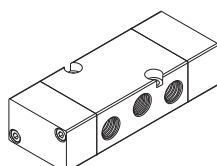
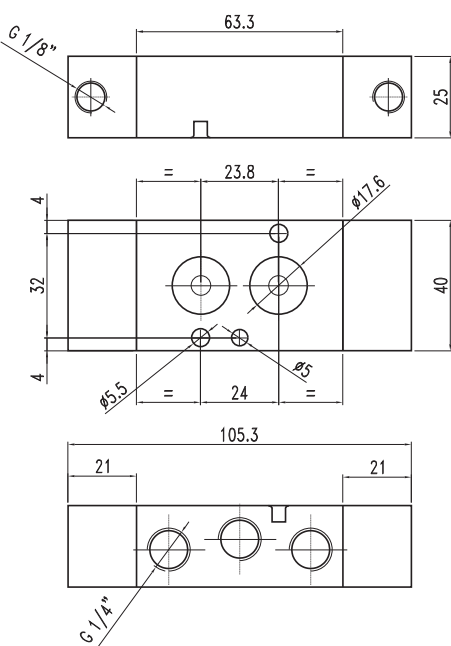
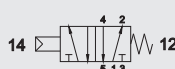
1/4 - 3/2 NC pneumatic pilot monostable  
**1/4 - 3/2 NZ pneumaticky ovládaný monostabilní**  
*1/4 - 3/2 NC comando pneumatico monostabile*

**CODE**  
**VU43PNMNC-T**



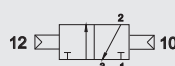
1/4 - 5/2 pneumatic pilot monostable  
**1/4 - 5/2 pneumaticky ovládaný monostabilní**  
*1/4 - 5/2 comando pneumatico monostabile*

**CODE**  
**VU45PNM00-T**



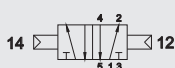
1/4 - 3/2 pneumatic pilot bistable  
**1/4 - 3/2 pneumaticky ovládaný bistabilní**  
*1/4 - 3/2 comando pneumatico bistabile*

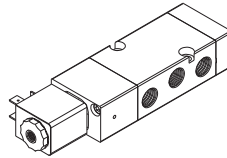
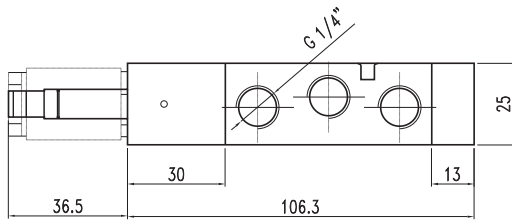
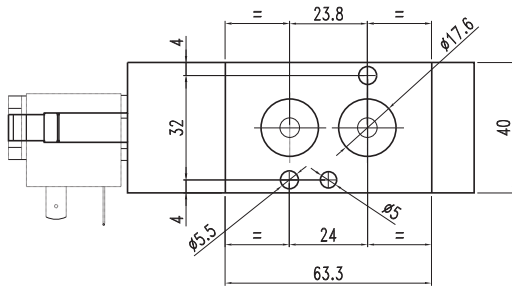
**CODE**  
**VU43PNB00-T**



1/4 - 5/2 pneumatic pilot bistable  
**1/4 - 5/2 pneumaticky ovládaný bistabilní**  
*1/4 - 5/2 comando pneumatico bistabile*

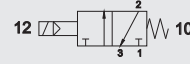
**CODE**  
**VU45PNB00-T**





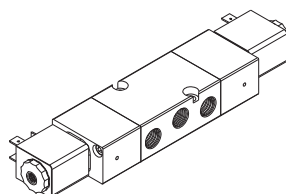
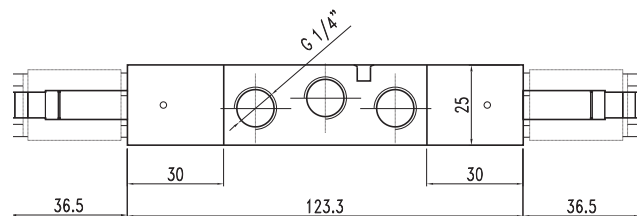
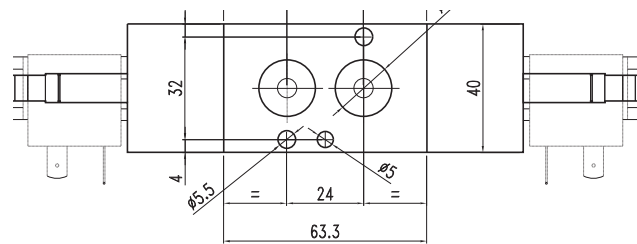
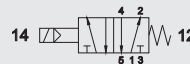
1/4 - 3/2 NC solenoid pilot monostable  
**1/4 - 3/2 NZ elektromagnetický monostabilní**  
*1/4 - 3/2 NC comando elettrico monostabile*

CODE  
VU43ELMNC-T



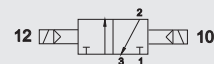
1/4 - 5/2 solenoid pilot monostable  
**1/4 - 5/2 elektromagnetický monostabilní**  
*1/4 - 5/2 comando elettrico monostabile*

CODE  
VU45ELM00-T



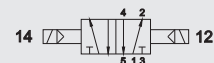
1/4 - 3/2 solenoid pilot bistable  
**1/4 - 3/2 elektromagnetický bistabilní**  
*1/4 - 3/2 comando elettrico bistabile*

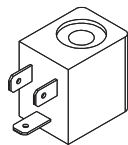
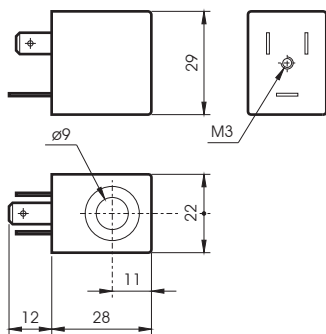
CODE  
VU43ELB00-T



1/4 - 5/2 solenoid pilot bistable  
**1/4 - 5/2 elektromagnetický bistabilní**  
*1/4 - 5/2 comando elettrico bistabile*

CODE  
VU45ELB00-T



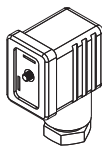
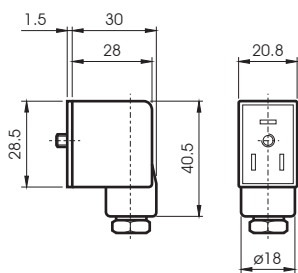


COILS  
**CÍVKY**  
BOBINE

CODE	Tension <b>Napětí</b> <i>Tensione</i>	POWER / <b>NAPÁJENÍ</b> / ASSORBIMENTO	
		Rated <b>odpor</b> <i>a regime</i>	Inrush <b>Přívál</b> <i>di spunto</i>
<b>B04011012</b>	12 VDC	3W	
<b>B04011024</b>	24 VDC	3W	
<b>B04012024</b>	24 VAC	5VA	7,5VA
<b>B04012110</b>	110 VAC	5VA	7,5VA
<b>B04012220</b>	220 VAC	5VA	7,5VA

TECHNICAL SPECIFICATIONS  
**TECHNICKÁ DATA**  
CARATTERISTICHE TECNICHE

Tension tolerance / <b>Tolerance napětí</b> / <i>Tolleranza di tensione</i>	+ 10%
Protection with connector / <b>Ochrana konektorem</b> / <i>Protezione con connettore</i>	IP65
Max working temperature / <b>Maximální teplota použití</b> / <i>Temperatura max di esercizio</i>	+ 50°C
Duty cycle / <b>Čas zapnutí</b> / <i>Inserimento</i>	ED 100%



CONNECTORS  
**KONEKTORY**  
CONNETTORI

CODE	DES.
<b>AR40696</b>	STANDARD
<b>VX0014</b>	LED 24V
<b>VX0015</b>	LED 110V
<b>VX0016</b>	LED 220V
<b>VX0017</b>	LED+VDR 24V
<b>VX0018</b>	LED+VDR 110V
<b>VX0019</b>	LED+VDR 220V



Extended range of manual valves with different operations: 90° lever, lever on top, drawer, with adaptor for all actuators on panel.  
 Available in size 1/8 and 1/4, available functions are 3/2, 5/2, 5/3.  
 Entirely in aluminium to grant strength and long durability.

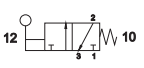
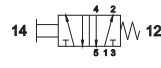

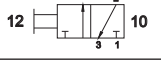
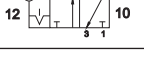

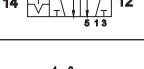
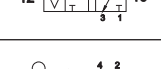
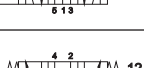
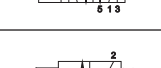

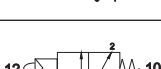

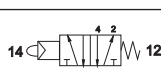

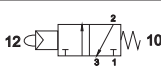
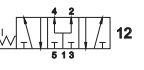
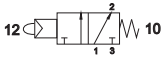
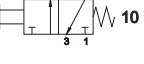



**Rozšířený sortiment ručních ventilů s různými operacemi: páka 90°, páka nahoře, zásuvka, s adaptérem pro všechny ovladače na panelu.**  
**Dostupné ve velikostech 1/8 a 1/4, dostupné funkce jsou 3/2, 5/2, 5/3.**  
**Zcela v hliníku poskytuje pevnost a dlouhou životnost.**

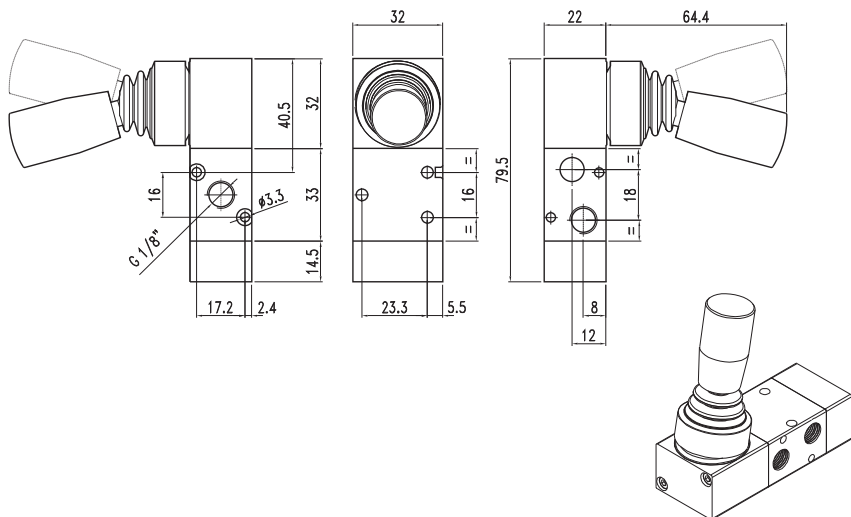
*Vastissima gamma di valvole manuali caratterizzate da diverse tipologie di azionamenti: leva 90°, leva in testa, tiro, con adattatore per ospitare tutti i tipi di attuatori a pannello.*  
*Sono disponibili nelle taglie 1/8 e 1/4 e nelle funzioni 3/2, 5/2 e 5/3.*  
*Costruzione interamente in alluminio per garantire robustezza e durata nel tempo.*

**TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI**

Fluid / Tekutina / Fluido	Lubricated or non lubricated air / Mazaný nebo nemazaný vzduch / Aria con o senza lubrificazione
Temperature range / Provozní teplota / Temperatura di esercizio	-10°C / +60°C
Max operating pressure / Maximální pracovní tlak / Pressione massima di esercizio	10 bar
Nominal orifice / Jmenovitý průměr / Diametro nominale	1/8: 5 mm - 1/4: 7,5mm
Flow rate 6 bar Δp 1bar / Průtok à 6 bar Δp 1bar / Portata a 6 bar Δp 1bar	1/8 = 550 NI/min. / 1/4 = 1100 NI/min.

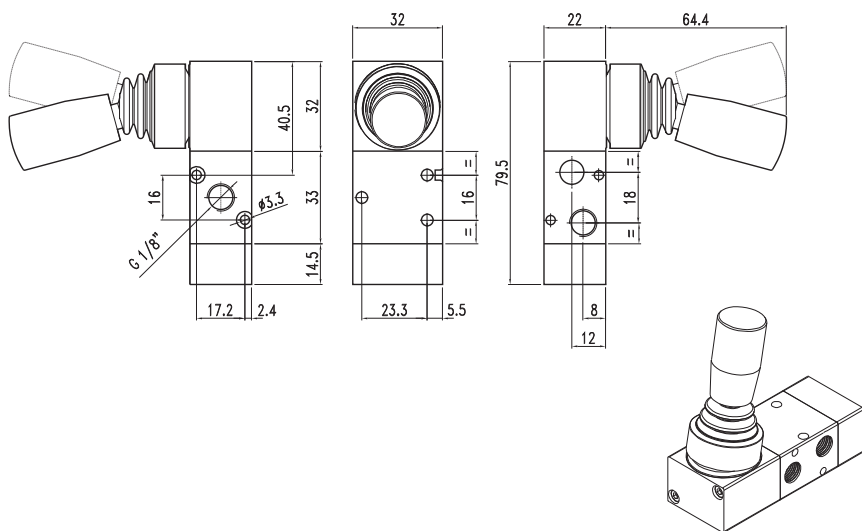
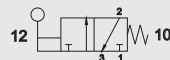
**FAST SELECT / RYCHLÝ VÝBĚR / SELEZIONE RAPIDA**

	90° lever monostable / <b>Páka 90° monostabilní</b> / Leva 90° monostabile <b>VM4010083201</b> 3/2 1/8 NC / NZ / NC <b>VM4010083301</b> 3/2 1/4 NC / NZ / NC		Push/pull monostable / <b>Tlačít táhnout monostabilní</b> / Tiretto mon. <b>VM4010095201</b> 5/2 1/8 <b>VM4010095301</b> 5/2 1/4
	90° lever monostable / <b>Páka 90° monostabilní</b> / Leva 90° mon. <b>VM4010085201</b> 5/2 1/8 <b>VM4010085301</b> 5/2 1/4		Push/pull bistable / <b>Tlačít táhnout bistabilní</b> / Tiretto bistabile <b>VM4010093202</b> 3/2 1/8 NC / NZ / NC <b>VM4010093302</b> 3/2 1/4 NC / NZ / NC
	90° lever bistable / <b>Páka 90° bistabilní</b> / Leva 90° bistabile <b>VM4010083202</b> 3/2 1/8 <b>VM4010083302</b> 3/2 1/4		Push/pull bistable / <b>Tlačít táhnout bistabilní</b> / Tiretto bistabile <b>VM4010095202</b> 5/2 1/8 <b>VM4010095302</b> 5/2 1/4
	90° bistable lever / <b>Páka 90° bistabilní</b> / Leva 90° - bistabile <b>VM4010085202</b> 5/2 1/8 <b>VM4010085302</b> 5/2 1/4		Top lever bistable / <b>Horní páka bistabilní</b> / Leva in testa bistabile <b>VM4010103202</b> 3/2 1/8 <b>VM4010103302</b> 3/2 1/4
	90° lever monostable / <b>Páka 90° monostabilní</b> / Leva 90° mon. <b>VM4010086211</b> 5/3 1/8 CC / CF / CC <b>VM4010086311</b> 5/3 1/4 CC / CF / CC		Top lever bistable / <b>Horní páka bistabilní</b> / Leva in testa bistabile <b>VM4010105202</b> 5/2 1/8 <b>VM4010105302</b> 5/2 1/4
	90° lever monostable / <b>Páka 90° monostabilní</b> / Leva 90° mon. <b>VM4010086221</b> 5/3 1/8 CO / CO / CA <b>VM4010086321</b> 5/3 1/4 CO / CO / CA		Adaptor 90° monostable / <b>Adaptér 90° monostabilní</b> / Adattatore <b>VM4012023201</b> 3/2 1/8 NC / NZ / NC
	90° lever monostable / <b>Páka 90° monostabilní</b> / Leva 90° mon. <b>VM4010086231</b> 5/3 1/8 CP / CP / CP <b>VM4010086331</b> 5/3 1/4 CP / CP / CP		Adaptor 90° monostable / <b>Adaptér 90° monostabilní</b> / Adattatore <b>VM4011023201</b> 3/2 1/8 NO / NO / NA
	90° lever 3 stable pos. / <b>Páka 90° 3 pos stables</b> / Levo 90° 3 pos. stabili <b>VM4010086212</b> 5/3 1/8 CC / CF / CC <b>VM4010086312</b> 5/3 1/4 CC / CF / CC		Adaptor 90° monostable / <b>Adaptér 90° monostabilní</b> / Adattore <b>VM4010025201</b> 5/2 1/8
	90° lever 3 stable pos. / <b>Páka 90° 3 pos stables</b> / Levo 90° 3 pos. stabili <b>VM4010086222</b> 5/3 1/8 CO / CO / CA <b>VM4010086322</b> 5/3 1/4 CO / CO / CA		Adaptor monostable / <b>Adaptér monostabilní</b> / Adattatore monos. <b>VM4012193201</b> 3/2 1/8 NC / NZ / NC
	90° lever 3 stable pos. / <b>Páka 90° 3 pos stables</b> / Levo 90° 3 pos. stabili <b>VM4010086232</b> 5/3 1/8 CP / CP / CP <b>VM4010086332</b> 5/3 1/4 CP / CP / CP		Adaptor monostable / <b>Adaptér monostabilní</b> / Adattatore monos. <b>VM4011193201</b> 3/2 1/8 NO / NO / NA
	Push/pull monostable / <b>Tlačít táhnout monostabilní</b> / Tiretto mon. <b>VM4010093201</b> 3/2 1/8 NC / NZ / NC <b>VM4010093301</b> 3/2 1/4 NC / NZ / NC		Adaptor monostable / <b>Adaptér monostabilní</b> / Adattatore monos. <b>VM4010195201</b> 5/2 1/8



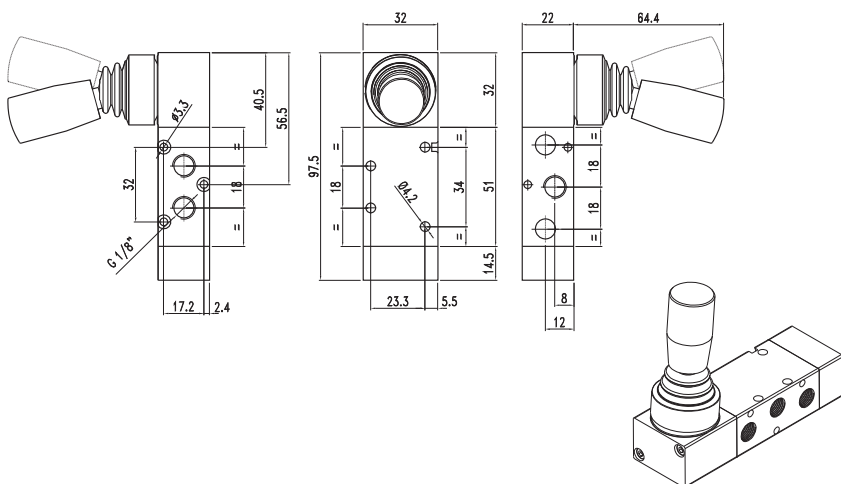
1/8 - 3/2 NC 90° lever monostable  
**1/8 - 3/2 NZ Páka 90° monostabilní**  
 1/8 - 3/2 NC leva 90° monostabile

CODE  
**VM4010083201**



1/8 - 3/2 NC 90° lever bistable  
**1/8 - 3/2 NZ Páka 90° bistabilní**  
 1/8 - 3/2 NC leva 90° bistabile

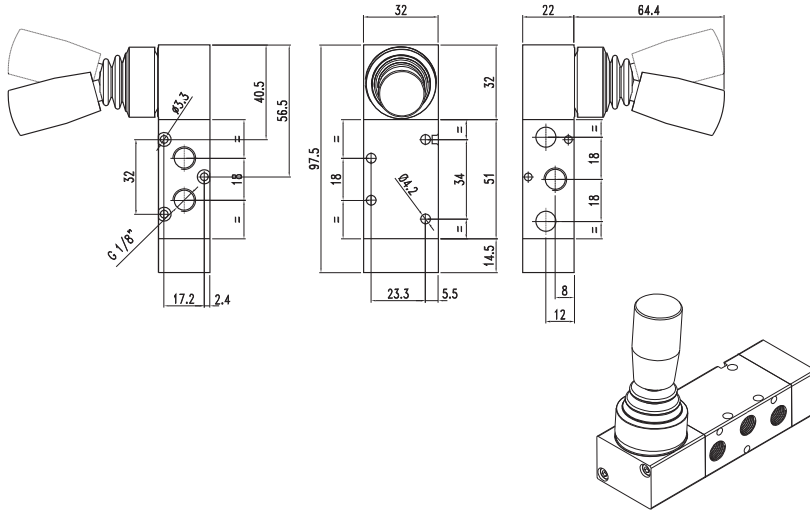
CODE  
**VM4010083202**



1/8 - 5/2 leva 90° monostable  
**1/8 - 5/2 Páka 90° monostabilní**  
 1/8 - 5/2 90° lever monostabile

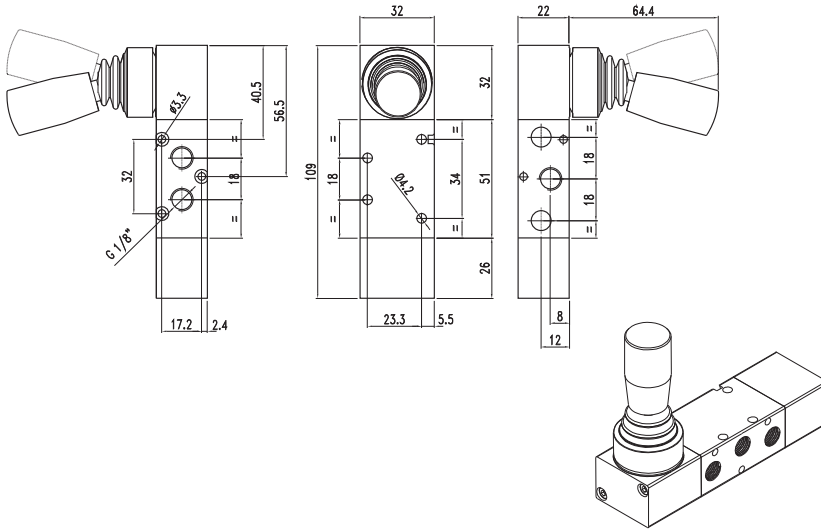
CODE  
**VM4010085201**





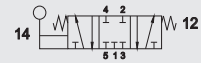
1/8 - 5/2 90° lever bistable  
**1/8 - 5/2 Páka 90° bistabilní**  
 1/8 - 5/2 leva 90° bistabile

CODE  
**VM4010085202**



1/8 - 5/3 90° lever monostable  
**1/8 - 5/3 Páka 90° monostabilní**  
 1/8 - 5/3 leva 90° monostabile

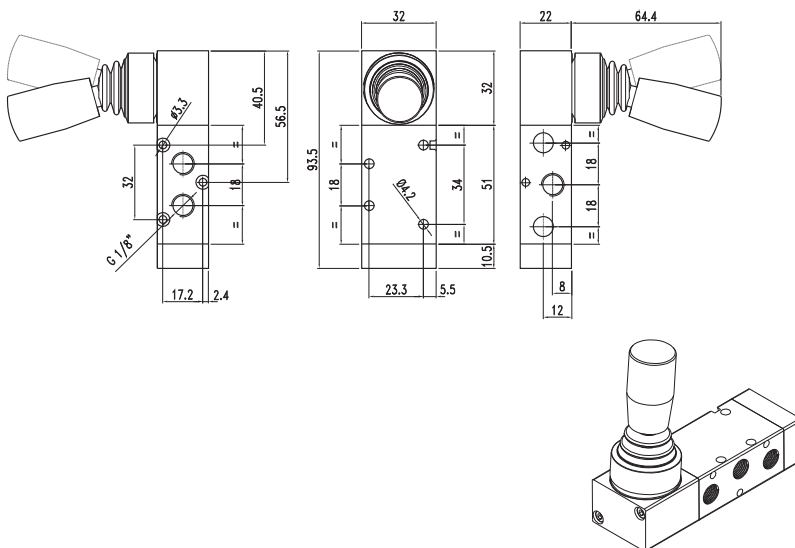
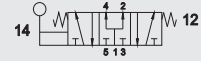
CODE  
**VM4010086211** CC / CF / CC



CODE  
**VM4010086221** CO / CO / CA

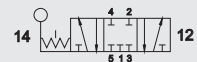


CODE  
**VM4010086231** CP / CP / CP



1/8 - 5/3 90° lever three positions stable  
**1/8 - 5/3 Páka 90° tři stabilní pozice**  
 1/8 - 5/3 leva 90° tre pozizioni stabili

CODE  
**VM4010086212** CC / CF / CC



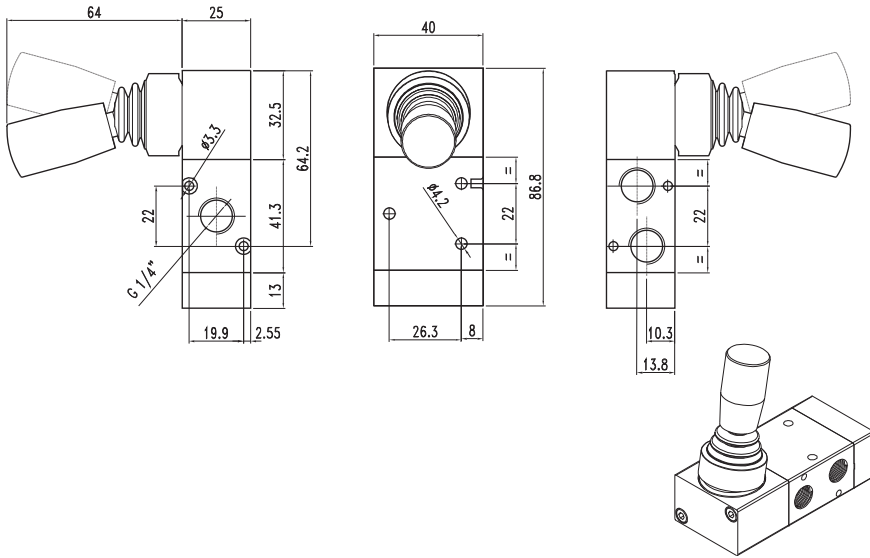
CODE  
**VM4010086222** CO / CO / CA



CODE  
**VM4010086232** CP / CP / CP

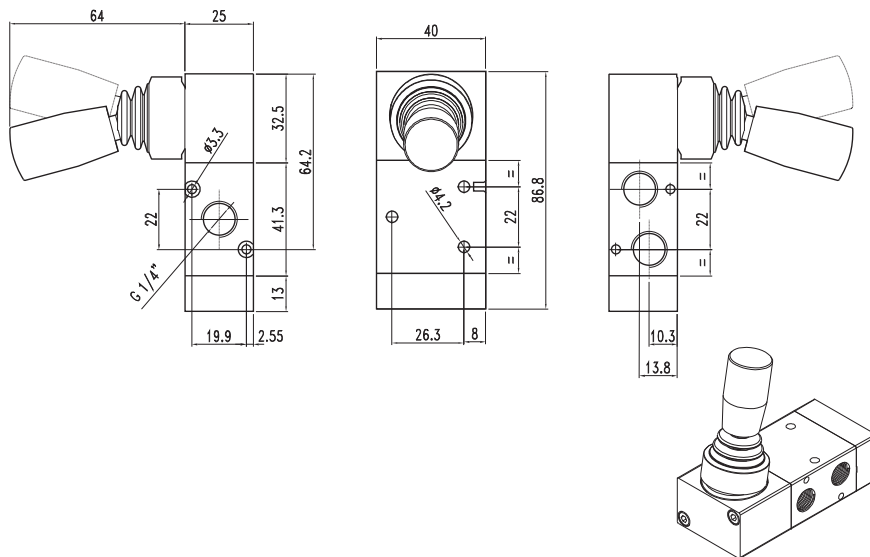
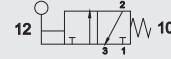






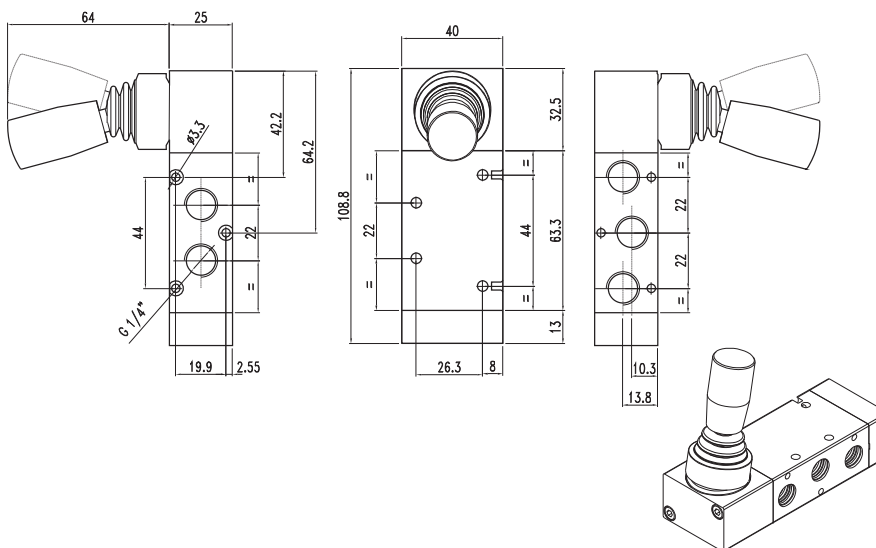
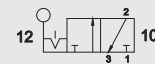
1/4 - 3/2 NC 90° lever monostable  
**1/4 - 3/2 NZ Páka 90° monostabilní**  
 1/4 - 3/2 NC leva 90° monostabile

CODE  
**VM4010083301**



1/4 - 3/2 NC 90° lever bistable  
**1/4 - 3/2 NZ Páka 90° bistabilní**  
 1/4 - 3/2 NC leva 90° bistabile

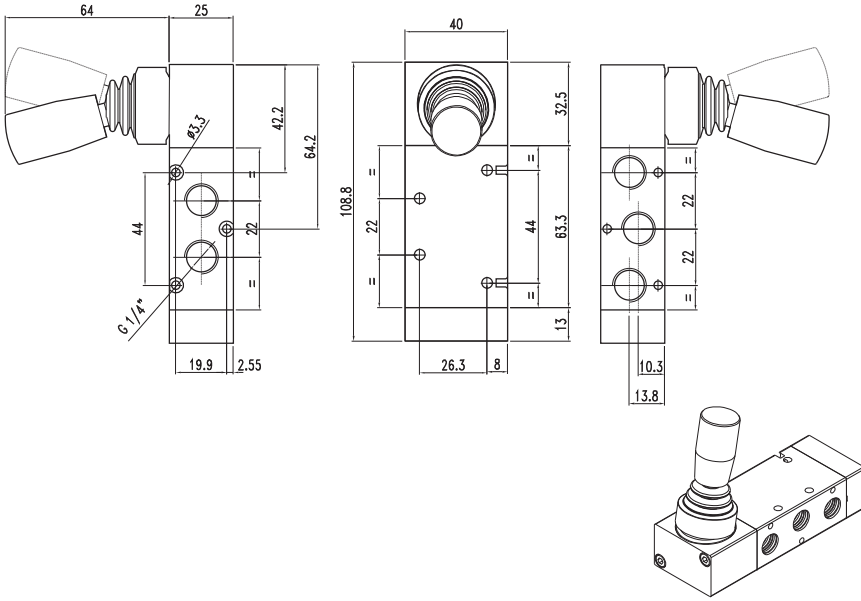
CODE  
**VM4010083302**



1/4 - 5/2 90° lever monostable  
**1/4 - 5/2 Páka 90° monostabilní**  
 1/4 - 5/2 leva 90° monostabile

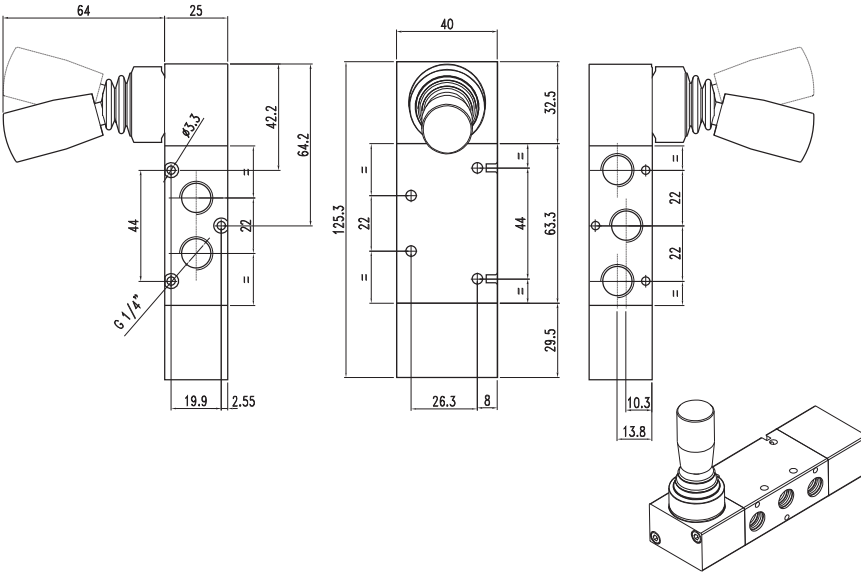
CODE  
**VM4010085301**





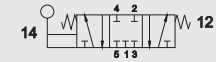
1/4 - 5/2 90° lever bistable  
**1/4 - 5/2 Páka 90° bistabilní**  
 1/4 - 5/2 leva 90° bistabile

CODE  
**VM4010085302**

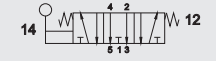


1/4 - 5/3 90° lever monostable  
**1/4 - 5/3 Páka 90° monostabilní**  
 1/4 - 5/3 leva 90° monostabile

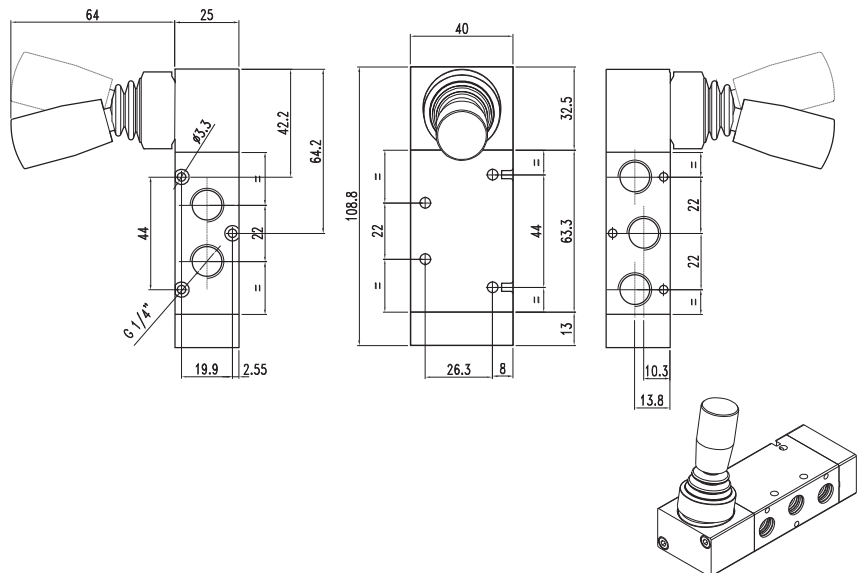
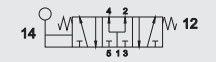
CODE  
**VM4010086311** CC / CF / CC



CODE  
**VM4010086321** CO / CO / CA

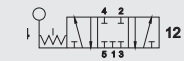


CODE  
**VM4010086331** CP / CP / CP

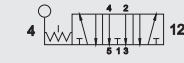


1/4 - 5/3 90° lever three stable positions  
**1/4 - 5/3 Páka 90° tři stabilní pozice**  
 1/4 - 5/3 leva 90° tre pozizioni stabili

CODE  
**VM4010086312** CC / CF / CC

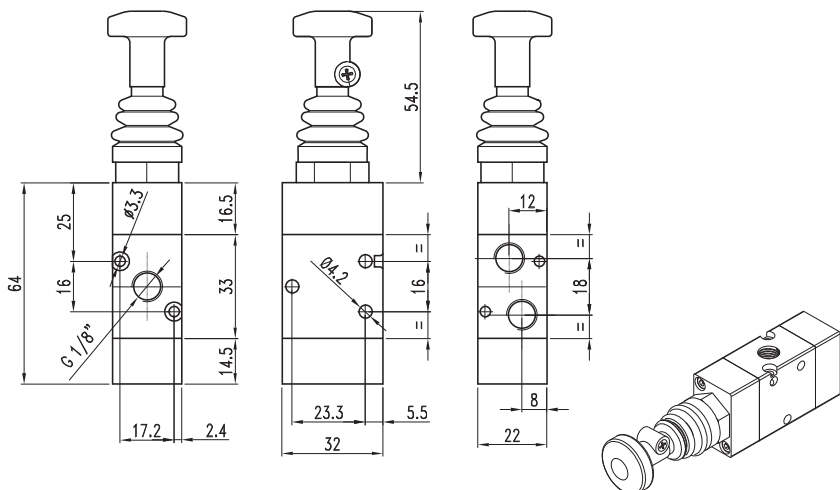


CODE  
**VM4010086322** CO / CO / CA



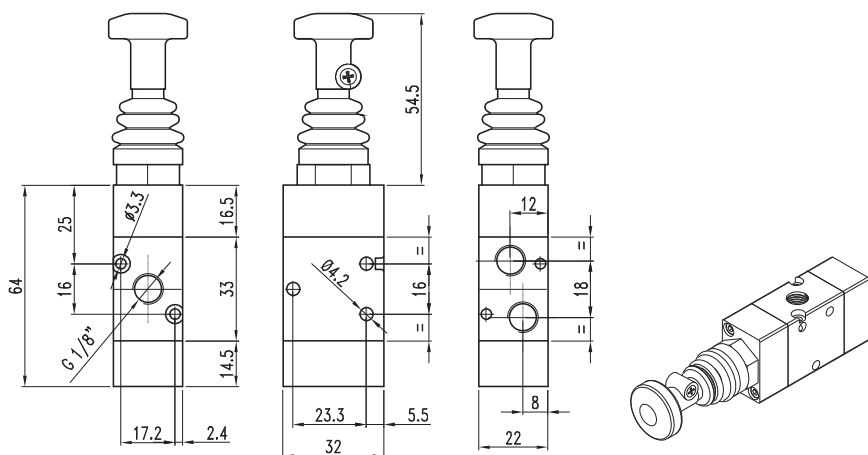
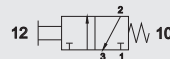
CODE  
**VM4010086332** CP / CP / CP





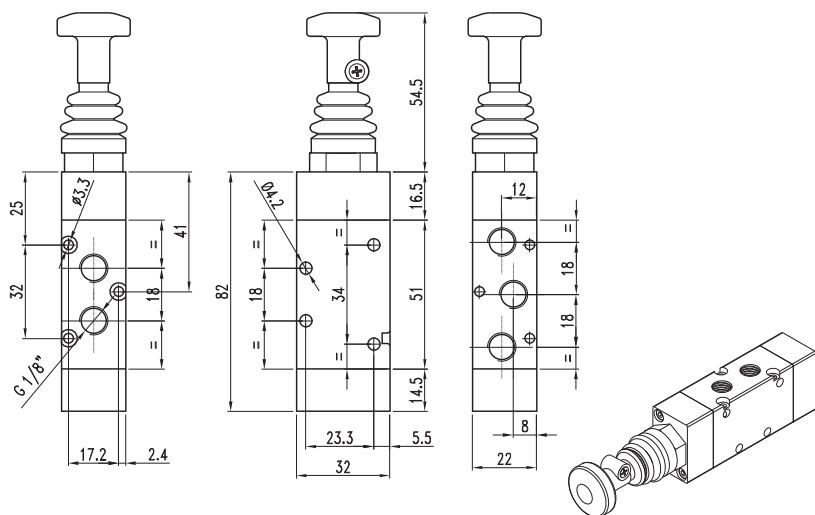
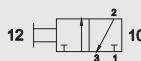
1/8 - 3/2 NC push/pull monostable  
**1/8 - 3/2 NZ Tlačit táhnout monostabilní**  
 1/8 - 3/2 NC tiretto monostabile

CODE  
**VM4010093201**



1/8 - 3/2 NC push/pull bistable  
**1/8 - 3/2 NZ Tlačit táhnout bistabilní**  
 1/8 - 3/2 NC tiretto bistabile

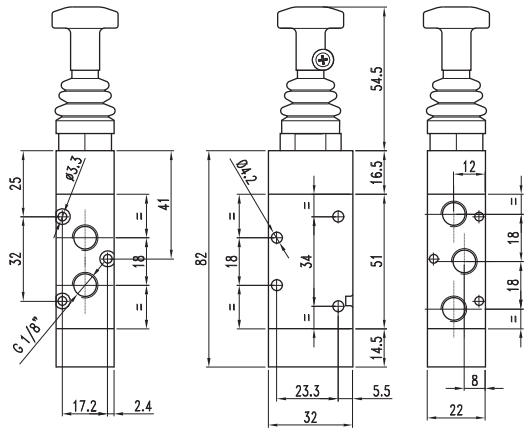
CODE  
**VM4010093202**



1/8 - 5/2 push/pull monostable  
**1/8 - 5/2 Tlačit táhnout monostabilní**  
 1/8 - 5/2 tiretto monostabile

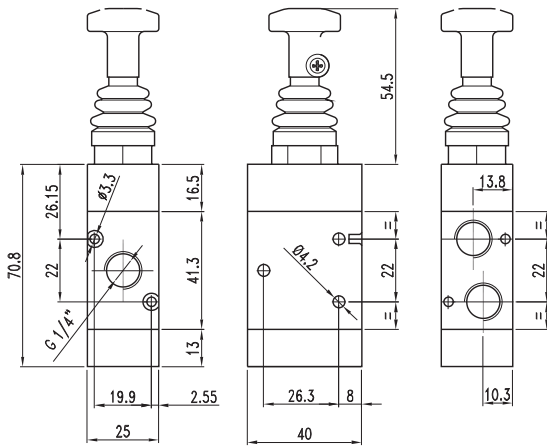
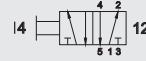
CODE  
**VM4010095201**





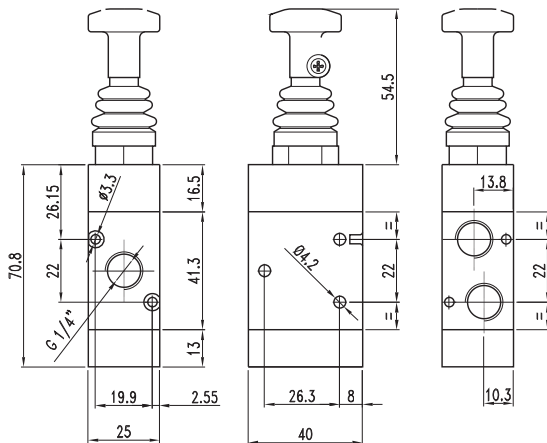
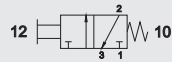
1/8 - 5/2 push/pull bistable  
**1/8 - 5/2 Tlačit táhnout bistabilní**  
 1/8 - 5/2 taretto bistabile

CODE  
**VM4010095202**



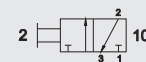
1/4 - 3/2 NC push/pull monostable  
**1/4 - 3/2 NZ Tlačit táhnout monostabilní**  
 1/4 - 3/2 NC taretto monostabile

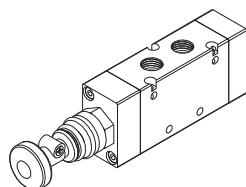
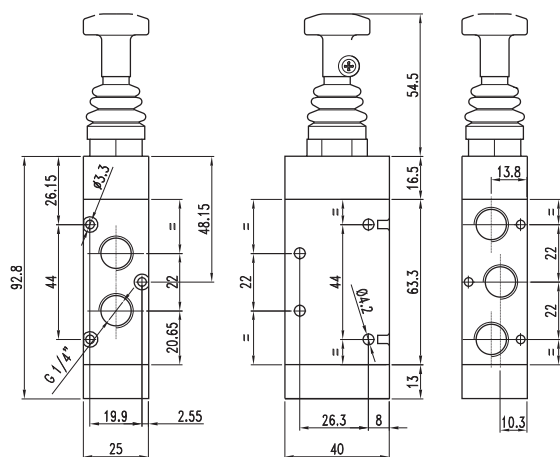
CODE  
**VM4010093301**



1/4 - 3/2 NC push/pull bistable  
**1/4 - 3/2 NZ Tlačit táhnout bistabilní**  
 1/4 - 3/2 NC taretto bistabile

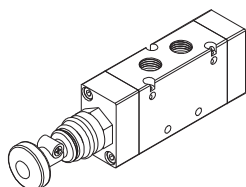
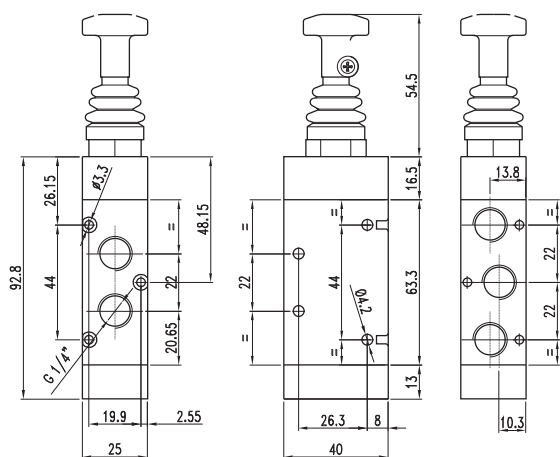
CODE  
**VM4010093302**





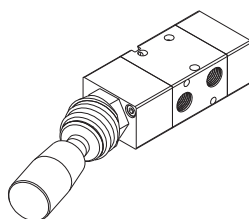
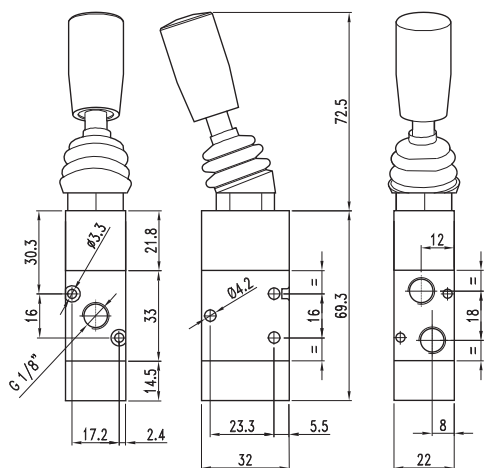
1/4 - 5/2 push/pull monostable  
**1/4 - 5/2 Tlačit táhnout monostabilní**  
 1/4 - 5/2 tiretto monostabile

CODE  
**VM4010095301**



1/4 - 5/2 push/pull bistable  
**1/4 - 5/2 Tlačit táhnout bistabilní**  
 1/4 - 5/2 tiretto bistabile

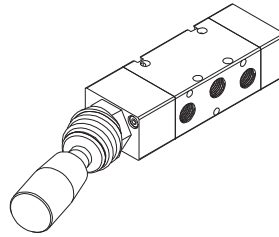
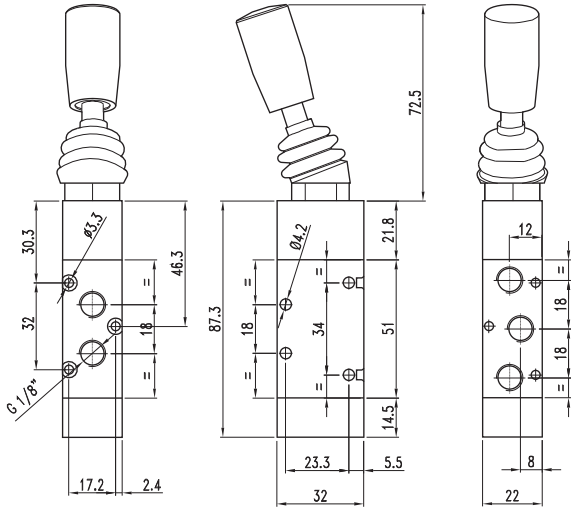
CODE  
**VM4010095302**



1/8 - 3/2 NC lever in top bistable  
**1/8 - 3/2 NZ Horní páka bistable**  
 1/8 - 3/2 NC leva in testa bistabile

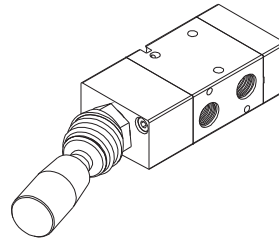
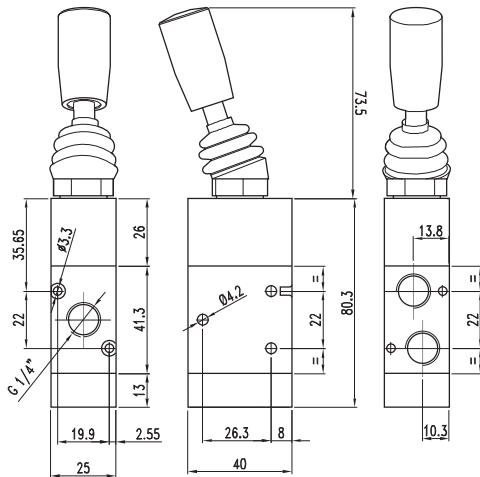
CODE  
**VM4010103202**





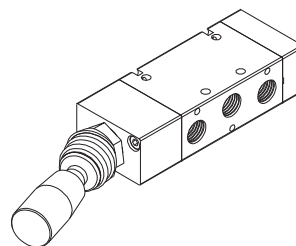
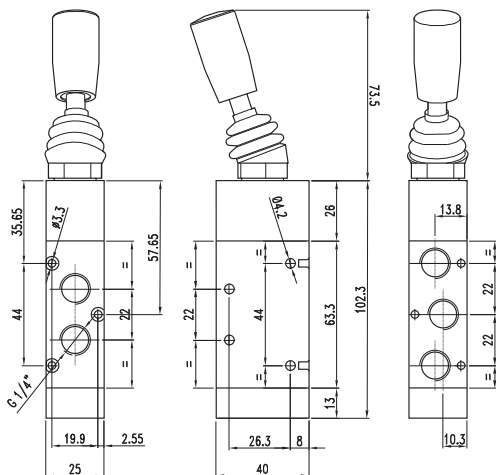
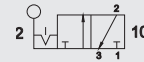
1/8 - 5/2 top lever bistable  
**1/8 - 5/2 Horní páka bistabilní**  
 1/8 - 5/2 leva in testa bistabile

CODE  
**VM4010105202**



1/4 - 3/2 NC top lever bistable  
**1/4 - 3/2 NZ Horní páka bistabilní**  
 1/4 - 3/2 NC leva in testa bistabile

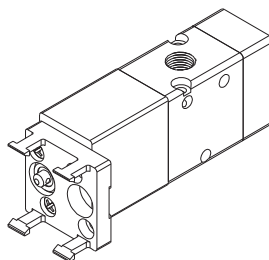
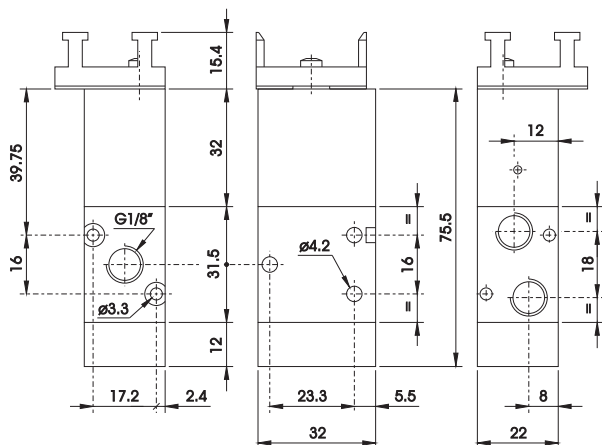
CODE  
**VM4010103302**



1/4 - 5/2 top lever bistable  
**1/4 - 5/2 Horní páka bistabilní**  
 1/4 - 5/2 leva in testa bistabile

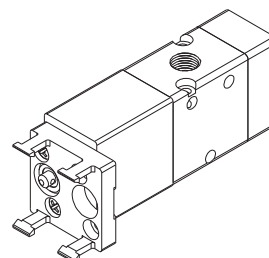
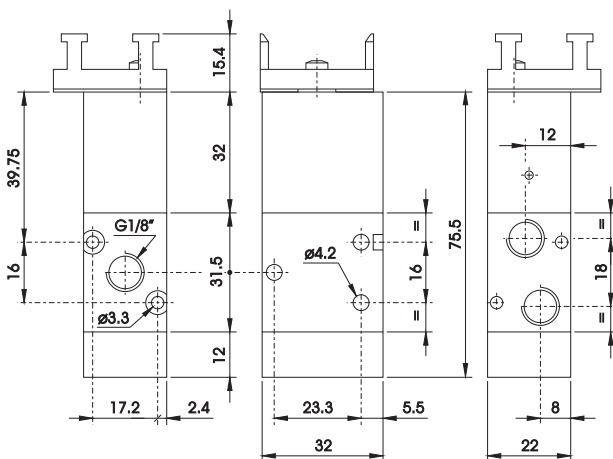
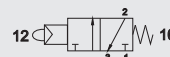
CODE  
**VM4010105302**





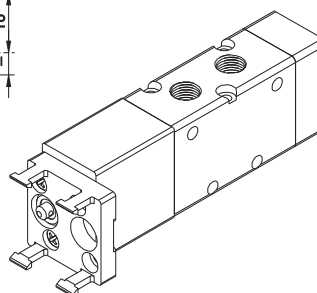
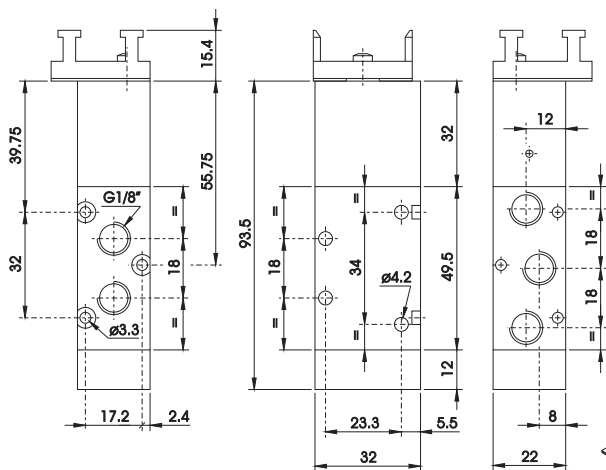
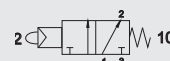
1/8 - 3/2 NC adaptor in top monostable  
**1/8 - 3/2 NZ Adaptér monostabilní**  
 1/8 - 3/2 NC adattatore in testa monostabile

CODE  
**VM4012023201**



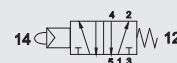
1/8 - 3/2 NO adaptor in top monostable  
**1/8 - 3/2 NO Adaptér monostabilní**  
 1/8 - 3/2 NA adattatore in testa monostabile

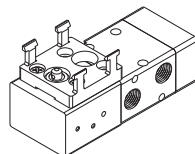
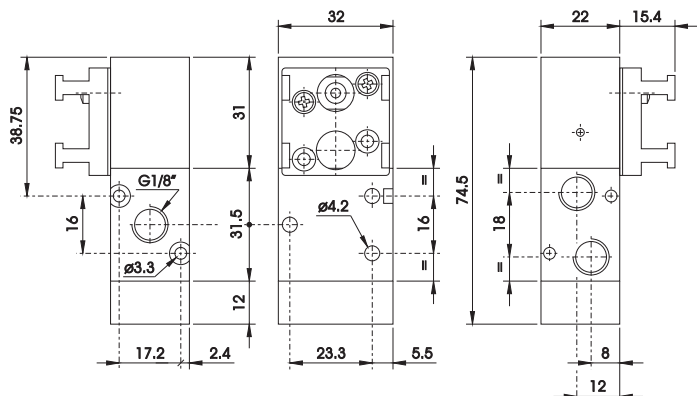
CODE  
**VM4011023201**



1/8 - 5/2 adaptor in top monostable  
**1/8 - 5/2 Adaptér monostabilní**  
 1/8 - 5/2 adattatore in testa monostabile

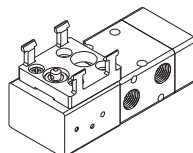
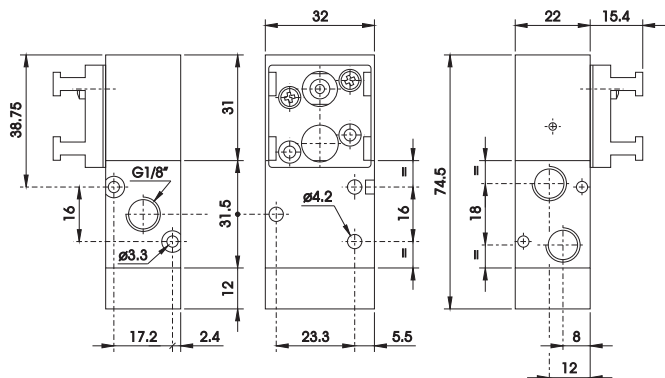
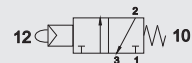
CODE  
**VM4010025201**





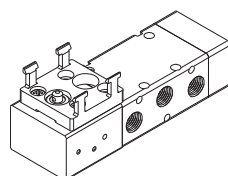
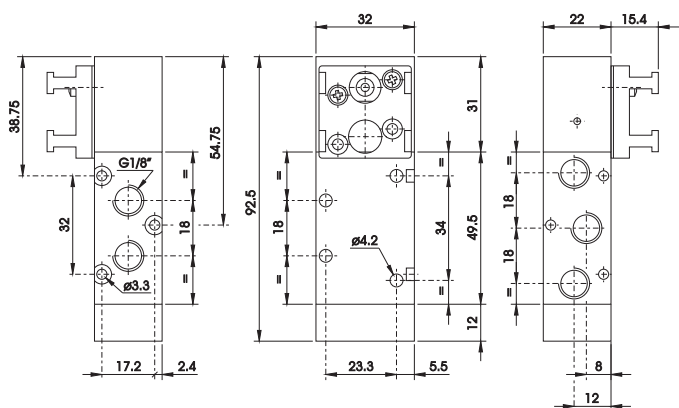
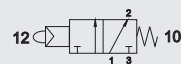
1/8 - 3/2 NC 90° adaptor monostable  
**1/8 - 3/2 NZ Adaptér 90° monostabilní**  
 1/8 - 3/2 NC adattatore a 90° monostabile

CODE  
**VM4012193201**



1/8 - 3/2 NO 90° adaptor monostable  
**1/8 - 3/2 NO Adaptér 90° monostabilní**  
 1/8 - 3/2 NA adattatore a 90° monostabile

CODE  
**VM4011193201**

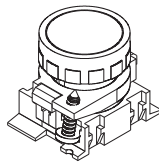
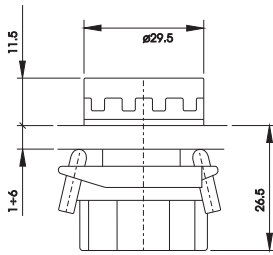


1/8 - 5/2 90° adaptor monostable  
**1/8 - 5/2 Adaptér 90° monostabilní**  
 1/8 - 5/2 adattatore a 90° monostabile

CODE  
**VM4010195201**

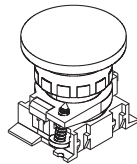
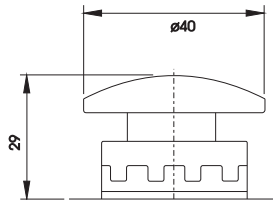






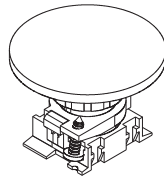
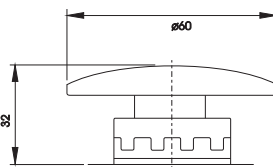
PROTECTED PUSH BUTTON  
**BEZPEČNOSTNÍ TLAČÍTKO**  
 PULSANTE PROTETTO

CODE  
**AP401** monostable / **monostabilní** / monostabile



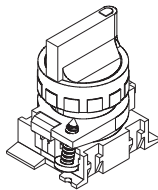
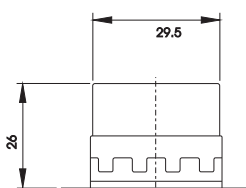
Ø40 MUSHROOM  
**HŘÍBEK Ø40**  
 FUNGO Ø40

CODE  
**AP402** monostable / **monostabilní** / monostabile  
**AP402A** turn to unlock / **otočte se a odemkněte** / sblocco a rotazione



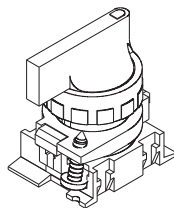
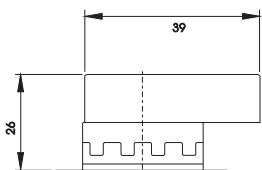
Ø60 PALM  
**HŘÍBEK Ø60**  
 FUNGO Ø60

CODE  
**AP403** monostable / **monostabilní** / monostabile  
**AP403A** turn to unlock / **otočte se a odemkněte** / sblocco a rotazione



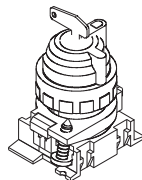
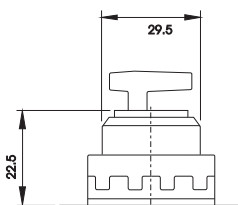
SHORT LEVER SELECTOR  
**KRÁTKÁ PÁČKA**  
 SELETTORE LEVA CORTA

CODE  
**AP404** 2 positions monostable / **2 pozice monostabilní** / 2 posizioni monostabile  
**AP404A** 2 positions bistable / **2 pozice bistabilní** / 2 posizioni bistabile  
**AP404B** 3 positions monostable / **3 pozice monostabilní** / 3 posizioni monostabile  
**AP404C** 3 positions stable / **3 pozice stabilní** / 3 posizioni stabile



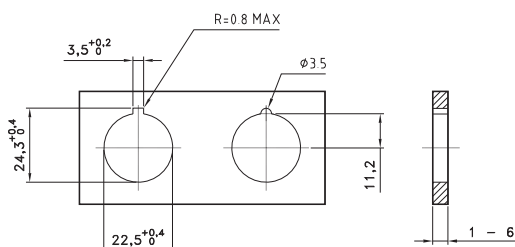
LONG LEVER SELECTOR  
**DLOUHÁ PÁČKA**  
 SELETTORE LEVA LUNGA

CODE  
**AP405** 2 positions monostable / **2 pozice monostabilní** / 2 posizioni monostabile  
**AP405A** 2 positions bistable / **2 pozice bistabilní** / 2 posizioni bistabile  
**AP405B** 3 positions monostable / **3 pozice monostabilní** / 3 posizioni monostabile  
**AP405C** 3 positions stable / **3 pozice stabilní** / 3 posizioni stabile



KEY SELECTOR  
**TLAČÍTKO NA KLÍČ**  
 SELETTORE A CHIAVE

CODE  
**AP406** 2 positions bistable / **2 pozice bistabilní** / 2 posizioni bistabile



PANEL MOUNTING HOLE  
**MONTÁŽNÍ PANEL**  
 FORO PER MONTAGGIO A PANNELLO



Mechanical operated Valves, entirely in aluminium to ensure strength and durability. Available size is 1/8 and available functions are 3/2 and 5/2.

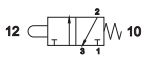
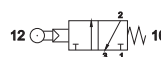
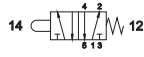
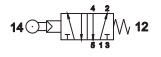
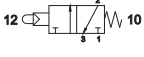
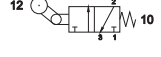


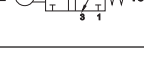
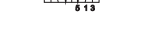
**Mechanicky ovládané ventily, zcela z hliníku, pro zajištění pevnosti a trvanlivosti. Dostupná velikost je 1/8 a dostupné funkce jsou 3/2 a 5/2.**

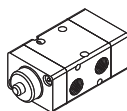
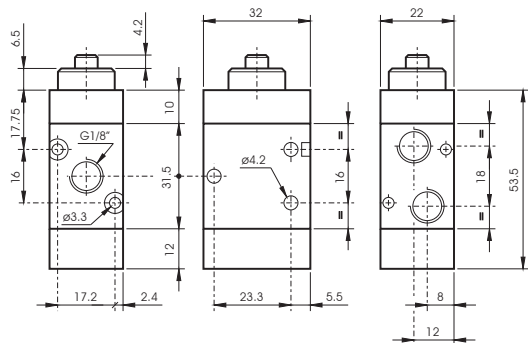
Valvole ad azionamento meccanico con costruzione interamente in alluminio per garantire robustezza e durata nel tempo. Disponibili della taglia 1/8 e nelle funzioni 3/2 e 5/2.

**TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI**

Fluid / Tekutina / Fluido	Lubricated or non lubricated air / Mazaný nebo nemazaný vzduch / Aria con o senza lubrificazione
Temperature range / Provozní teplota / Temperatura di esercizio	-10°C / +60°C
Max operating pressure / Maximální pracovní tlak / Pressione massima di esercizio	10 bar
Nominal orifice / Jmenovitý průměr / Diametro nominale	1/8: 5 mm
Flow rate 6 bar Δp 1bar / Průtok à 6 bar Δp 1bar / Portata a 6 bar Δp 1bar	1/8 = 550 Nl/min.

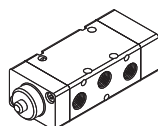
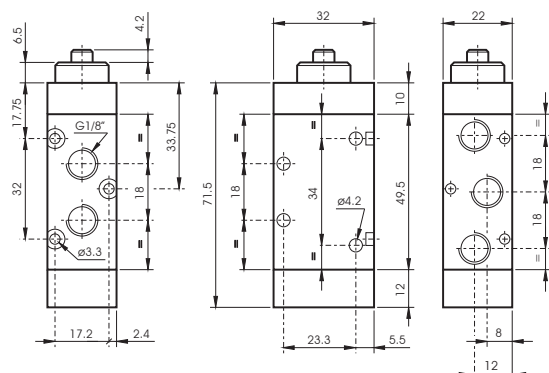
**FAST SELECT / RYCHLÝ VÝBĚR / SELEZIONE RAPIDA**

	Tappet monostabile / <b>Monostabilní se zdvihem / Puntale monostabile</b> <b>VM4012013201</b> 3/2 1/8 NC / NZ / NC		Servo-piloted roller lever monostabile / <b>Servomotorová páka s rolnou monostabilní / Leva rullo servopilotata monostabile</b> <b>VM4012183201</b> 3/2 1/8 NC / NZ / NC
	Tappet monostabile / <b>Monostabilní se zdvihem / Puntale monostabile</b> <b>VM4010015201</b> 5/2 1/8		Servo-piloted roller lever monostabile / <b>Servomotorová páka s rolnou monostabilní / Leva rullo servopilotata monostabile</b> <b>VM4010185201</b> 5/2 1/8
	Servo-piloted tappet monostabile / <b>Servopilotní se zdvihem monostabilní / Puntale servopilotato monostabile</b> <b>VM4012113201</b> 3/2 1/8 NC / NZ / NC		Uni-directional lever monostabile / <b>Jednosměrná páka s rolnou monostabilní / Leva unidirezionale monostabile</b> <b>VM4012043201</b> 3/2 1/8 NC / NZ / NC
	Servo-piloted tappet monostabile / <b>Servopilotní se zdvihem monostabilní / Puntale servopilotato monostabile</b> <b>VM4010115201</b> 5/2 1/8		Uni-directional lever monostabile / <b>Jednosměrná páka s rolnou monostabilní / Leva unidirezionale monostabile</b> <b>VM4010115201</b> 5/2 1/8
	Roller lever monostabile / <b>Páka válečku monostabilní / Leva rullo monostabile</b> <b>VM4012033201</b> 3/2 1/8 NC / NZ / NC		
	Roller lever monostabile / <b>Páka s rolnou monostabilní / Leva rullo monostabile</b> <b>VM4010035201</b> 5/2 1/8		



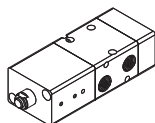
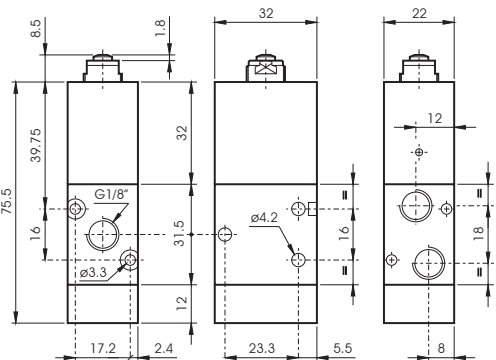
1/8 - 3/2 NC tappet monostable  
**1/8 - 3/2 NZ Monostabilní se zdvihem**  
 1/8 - 3/2 NC puntale monostabile

**CODE**  
**VM4012013201**



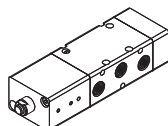
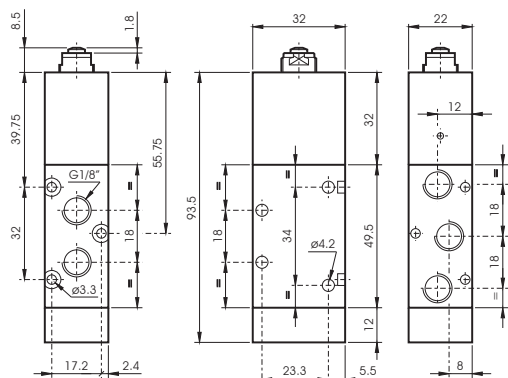
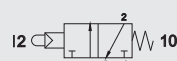
1/8 - 5/2 tappet monostable  
**1/8 - 5/2 Monostabilní se zdvihem**  
 1/8 - 5/2 puntale monostabile

**CODE**  
**VM4010015201**



1/8 - 3/2 NC servopiloted tappet monostable  
**1/8 - 3/2 NZ Servopilotní se zdvihem monostabilní**  
 1/8 - 3/2 NC puntale servopilotato monostabile

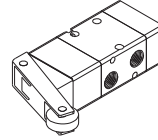
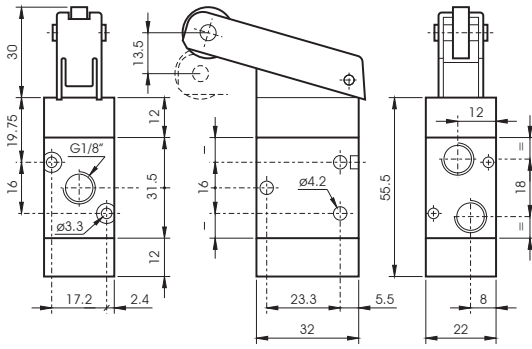
**CODE**  
**VM4012113201**



1/8 - 5/2 servo-piloted tappet monostable  
**1/8 - 5/2 Servopilotní se zdvihem monostabilní**  
 1/8 - 5/2 puntale servopilotato monostabile

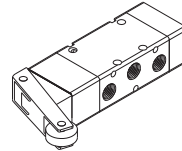
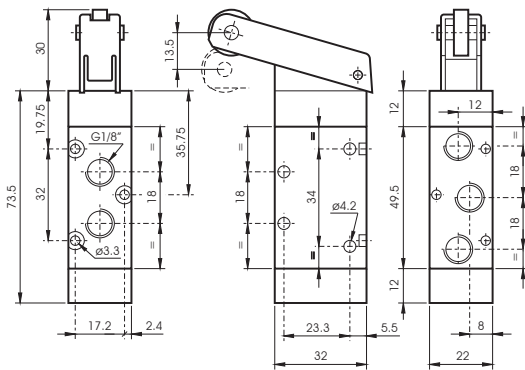
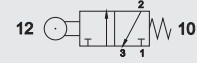
**CODE**  
**VM4010115201**





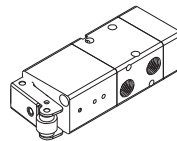
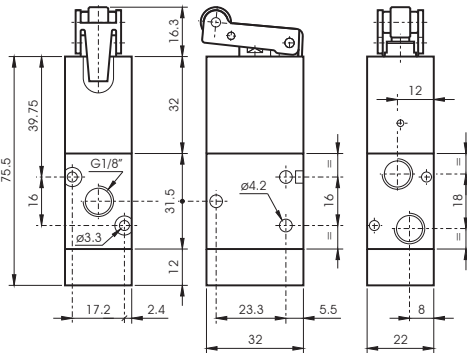
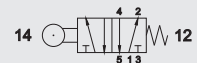
1/8 - 3/2 NC roller lever monostable  
**1/8 - 3/2 NZ Páka s rolnou monostabilní**  
 1/8 - 3/2 NC leva rullo monostabile

CODE  
**VM4012033201**



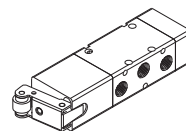
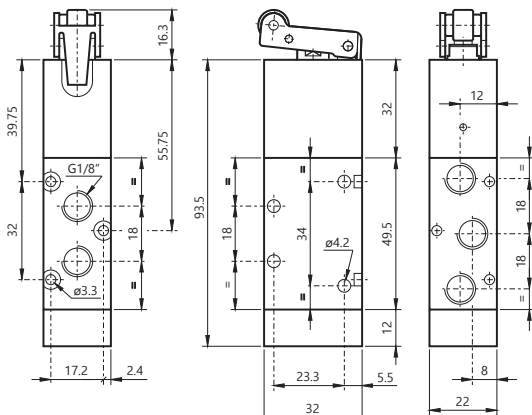
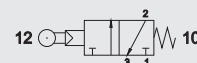
1/8 - 5/2 roller lever monostable  
**1/8 - 5/2 Páka s rolnou monostabilní**  
 1/8 - 5/2 leva rullo monostabile

CODE  
**VM4010035201**



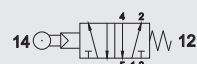
1/8 - 3/2 NC servo-piloted roller lever monostable  
**1/8 - 3/2 NZ Servomotorová páka s rolnou monostabilní**  
 1/8 - 3/2 NC leva rullo servopilotato monostabile

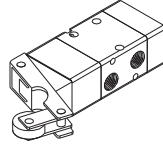
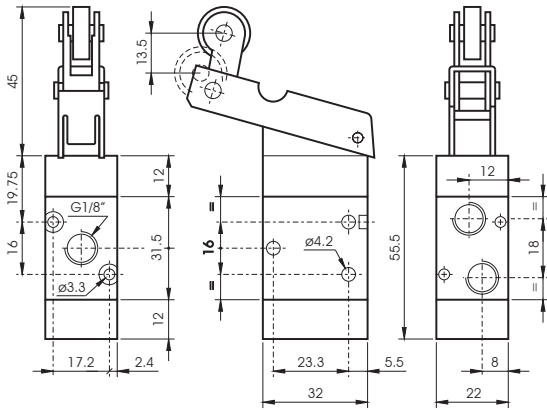
CODE  
**VM4012183201**



1/8 - 5/2 servo-piloted roller lever monostable  
**1/8 - 5/2 Servomotorová páka s rolnou monostabilní**  
 1/8 - 5/2 roller lever servopilotato monostabile

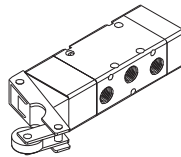
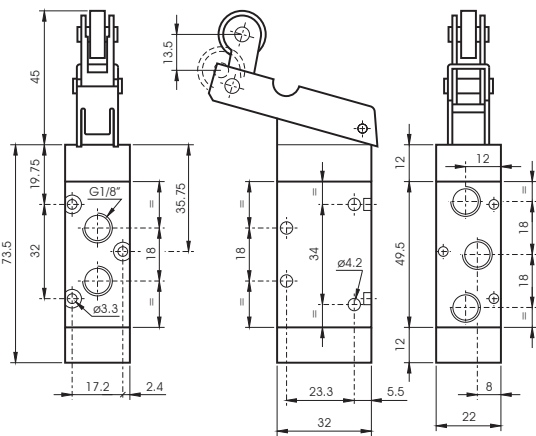
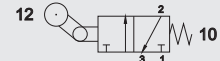
CODE  
**VM4010185201**





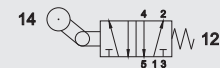
1/8 - 3/2 NC uni-directional lever monostable  
**1/8 - 3/2 NZ Jednosměrná páka s rolnou monostabilní**  
 1/8 - 3/2 NC leva unidirezionale monostabile

CODE  
**VM4012043201**



1/8 - 5/2 uni-directional lever monostable  
**1/8 - 5/2 Jednosměrná páka s rolnou monostabilní**  
 1/8 - 5/2 leva unidirezionale monostabile

CODE  
**VM4010045201**





The pedal valves are available with protection or without protection, with or without lock.  
Available functions are 3/2 and 5/2.  
The large base ensures stability during the use.

**Pedálové ventily jsou k dispozici s krytem nebo bez krytu, se zámkem nebo bez zámků.**  
**Dostupné funkce jsou 3/2 a 5/2.**  
**Velká základna zajišťuje stabilitu během používání.**

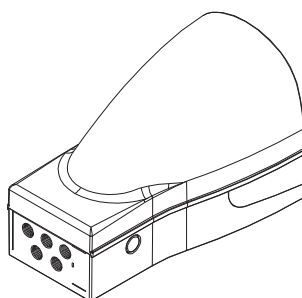
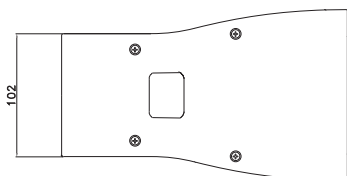
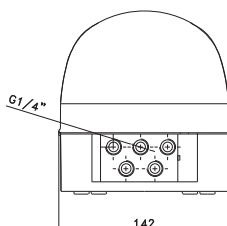
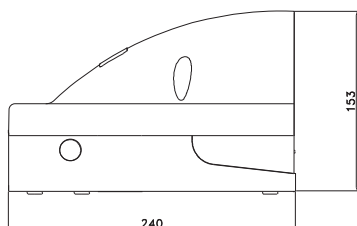
*La serie di valvole a pedale, vengono proposte con o senza protezione, con fermo di sicurezza o senza e nelle funzioni 3/2 e 5/2.*  
*L'ampia base d'appoggio, garantisce ottima stabilità durante l'utilizzo.*

### TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

Fluid / Tekutina / Fluido	Lubricated or non lubricated air / <b>Mazaný nebo nemazaný vzduch</b> / Aria con o senza lubrificazione
Temperature range / <b>Provozní teplota</b> / Temperatura di esercizio	-10°C / +60°C
Max operating pressure / <b>Maximální pracovní tlak</b> / Pressione massima di esercizio	10 bar
Nominal orifice / <b>Jmenovitý průměr</b> / Diametro nominale	1/4: 7,5mm

### COMPONENTS / KOMPONENTY / COMPONENTI

Protection cover / <b>Ochranný kryt</b> / Protezione	Plastic / <b>Plastický</b> / Plastica
Body / <b>Tělo</b> / Corpo	Aluminium / <b>Hliník</b> / Alluminio
Spool / <b>Šoupátko</b> / Spola	Nickel plated aluminium / <b>Poniklovaný hliník</b> / Alluminio nichelato
Seals / <b>Těsnění</b> / Guarnizioni	NBR
Spring / <b>Pružina</b> / Molla	Steel / <b>Nerezová ocel</b> / Inox



1/4 - 5/2 with protection cover  
**1/4 - 5/2 s ochranným krytem**  
1/4 - 5/2 con protezione

CODE  
VP40010531



mono-stable  
**monostabilní**  
monostabile

CODE  
VP40011531

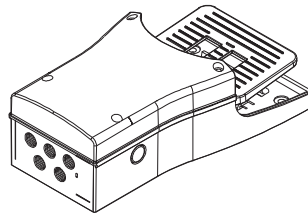
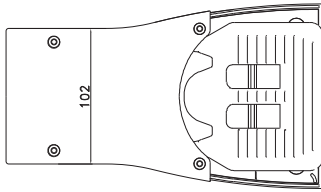
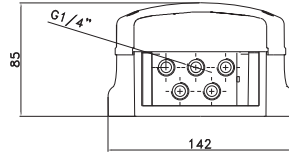
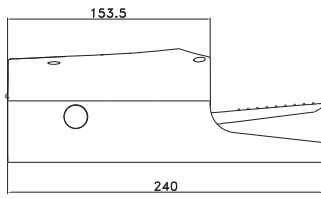


with safety block  
**s bezpečnostním zámkem**  
con fermo sicurezza

CODE  
VP40010532



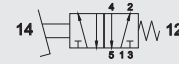
bistable  
**bistabilní**  
bistabile



1/4 - 5/2 without protection cover  
**1/4 - 5/2 bez ochranného krytu**  
1/4 - 5/2 senza protezione

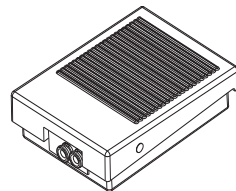
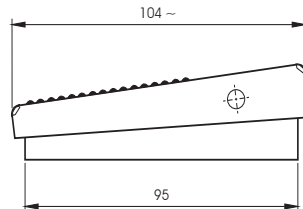
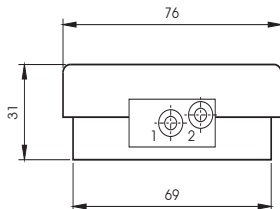
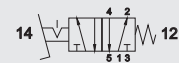
**CODE**  
**VP40000531**

mono-stable  
**monostabilní**  
monostabile



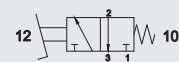
**CODE**  
**VP40000532**

bistable  
**bistabilní**  
bistabile



3/2 NC monostable  
**3/2 NZ monostabilní**  
3/2 NC monostabile

**CODE**  
**VP40200301**





The in line flow regulator has the function to regulate the speed of the pneumatic cylinders and they can be:

One-way: the regulation is in one way

Two-ways: the regulation is in two ways

The flow-regulator can be mounted on the panel/board.

Škrtící ventily v potrubí mají funkci pro regulaci rychlosti pneumatického válce a mohou to být:

Jednosměrné

Obousměrné

Škrtící ventil lze namontovat na panel / desku.

Il regolatore di flusso in linea ha la funzione di regolare la velocità di spostamento dei cilindri pneumatici e possono essere di due tipi:

Unidirezionali: significa che la regolazione del flusso dell'aria avviene solo in un senso.

Bidirezionale: la regolazione avviene nei due sensi.

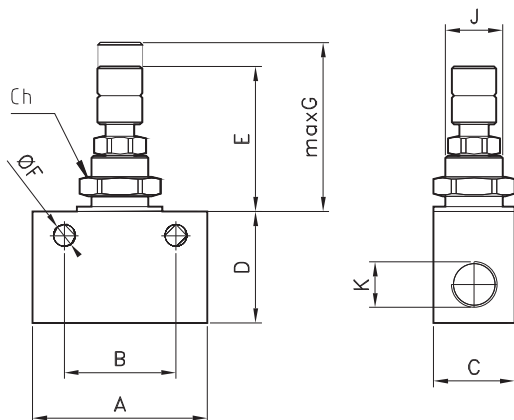
I regolatori si possono montare a pannello.

**TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI**

	TYPE / TYP / TIPO	M5	1/8	1/4	3/8	1/2
Nominal flow rate at 6 bar / Průtok à 6 bar / Portata a 6 bar	Uni-directional / jednosměrný Unidirezionale	130 NI/min	450 NI/min	600 NI/min	1100 NI/min	1400 NI/min
	Bi-directional / Obousměrný Bidirezionale	60 NI/min	210 NI/min	300 NI/min	500 NI/min	500 NI/min
Fluid / Tekutina / Fluido	Lubricated or non lubricated air / Mazaný nebo nemazaný vzduch / Aria con o senza lubrificazione					
Pressure range / Pracovní tlak / Pressione di esercizio	2 - 10bar					
Temperature range / Provozní teplota / Temperatura di esercizio	-10°C / +80°C					

**COMPONENTS / KOMPONENTY / COMPONENTI**

Body / Tělo / Corpo	Aluminium / Hliník / Alluminio
Internal parts / Partie interne / Parti interne	Brass / mosaz / Ottone
Seals / Těsnění / Guarnizioni	NBR



Uni-directional  
**Jednosměrný**  
Unidirezionale



Bi-directional  
**Obousměrný**  
Bidirezionale

CODE	K	CODE	K
RF4004100	M5	RF4005100	M5
RF4004200	1/8	RF4005200	1/8
RF4004300	1/4	RF4005300	1/4
RF4004400	3/8	RF4005400	3/8
RF4004500	1/2	RF4005500	1/2

	K	A	B	C	D	E	F	G	CH	J
<b>M5</b>	25	18	12	20	23	4.5	28	12	10x1	
<b>3/8</b>	35	24	15	22	24	4.5	29.5	12	10x1	
<b>1/4</b>	40	24	20	30	26	4.5	32.5	12	10x1	
<b>3/8</b>	45	30	22	35	31	6	39.5	18	15x1	
<b>1/2</b>	57	30	27	40	31	6	39.5	18	15x1	



RFX flow regulators, produced in stainless steel AISI 316L, can be used in several fields: food and beverage, pharmaceutical, or in particularly aggressive environments.

Škrticí ventily řady RFX, vyrobené z nerezové oceli AISI 316L, lze použít v několika odvětvích: potravinářství, farmaceutika nebo ve zvláště agresivním prostředí.

I regolatori di flusso RFX sono realizzati in acciaio inox AISI 316L quindi posso essere utilizzati in qualsiasi settore: alimentare, farmaceutico oppure in ambienti particolarmente aggressivi.

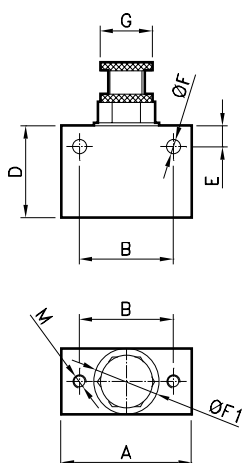


## TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

	TYPE / TYP / TIPO	1/8	1/4	3/8	1/2
Nominal flow rate at 6 bar / Průtok 6 bar / Portata a 6 bar	Uni-directional / Jednosměrný Unidirezionale	2300 NI/min	2300 NI/min	4500 NI/min	5200 NI/min
Fluid / Tekutina / Fluido		Lubricated or non lubricated air / Mazaný nebo nemazaný vzduch / Aria con o senza lubrificazione			
Pressure range / Pracovní tlak / Pressione di esercizio		0,5 - 16bar			
Temperature range / Provozní teplota / Temperatura di esercizio		-15°C - +120°C			

## COMPONENTS / KOMPONENTY / COMPONENTI

Body / Tělo / Corpo	Stainless steel AISI 316L / Nerezová ocel AISI 316L / Acciaio inox AISI 316L
Internal parts / Vnitřní části / Parti interne	Stainless steel AISI 316L / Nerezová ocel AISI 316L / Acciaio inox AISI 316L
Seals / Těsnění / Guarnizioni	FKM



Uni-directional  
**Jednosměrný**  
Unidirezionale

CODE	A
RFX004200	1/8
RFX004300	1/4
RFX004400	3/8
RFX004500	1/2



Bi-directional  
**Obousměrný**  
Bidirezionale

CODE	A
RFX005200	1/8
RFX005300	1/4
RFX005400	3/8
RFX005500	1/2

	K	A	B	C	D	E	F	F1	G	H (min/max)	M	(g)
1/8		40	30	20	30	8	5.4	20	20	49 / 54	M5	178
1/4		40	30	20	30	8	5.4	20	20	49 / 54	M5	168
3/8		49	36	25	35	8	5.4	25	20	57 / 66	M5	310
1/2		49	36	25	35	8	5.4	25	20	57 / 66	M5	305



The quick exhaust valve allows to exhaust the air in the cylinder to increase the speed. We suggest the mounting directly on the cylinder's supply.

**Rychlý odvzdušňovací ventil umožňuje vypouštění vzduchu ve válci pro zvýšení rychlosti. Doporučujeme montáž přímo na přívod válce.**

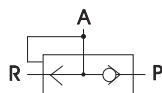
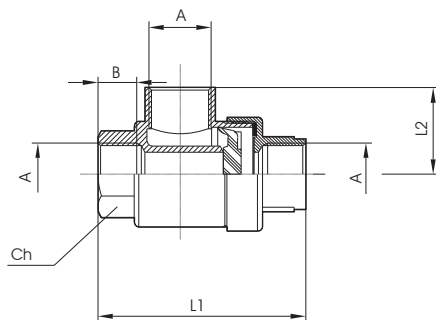
*La valvola a scarico rapido permette di evacuare rapidamente l'aria presente nel cilindro per aumentarne la velocità. Si consiglia il montaggio direttamente sulle alimentazioni del cilindro.*

### TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

Fluid / <b>Tekutina</b> / <i>Fluido</i>	Lubricated or non lubricated air / <b>Mazaný nebo nemazaný vzduch</b> / <i>Aria con o senza lubrificazione</i>
Pressure range / <b>Pracovní tlak</b> / <i>Pressione di esercizio</i>	2 - 10 bar
Temperature range / <b>Provozní teplota</b> / <i>Temperatura di esercizio</i>	-10°C / +70°C

### COMPONENTS / KOMPONENTY / COMPONENTI

Body / <b>Tělo</b> / <i>Corpo</i>	Nickel-plated brass / <b>Poniklovaná mosaz</b> / <i>Ottone nichelato</i>
Cover / <b>Kryt</b> / <i>Coperchio</i>	Nickel-plated brass / <b>Poniklovaná mosaz</b> / <i>Ottone nichelato</i>
Seals / <b>Těsnění</b> / <i>Guarnizioni</i>	NBR



CODE	A	B	L1	L2	CH
VR40061	M5	4	25	10	17
VR40062	1/8	8,5	42	19,5	15
VR40063	1/4	11	54	25	19
VR40064	3/8	12	60,5	26,5	22
VR40065	1/2	15	72	32	26



POS's VRX quick exhaust valves allow the possibility (if mounted on a pneumatic cylinder) to discharge rapidly the pressure contained inside it. Thanks to the material used for their realization (stainless steel AISI 316L), they allow the usage in particularly harsh or very delicate environments such as food and beverage and pharmaceutical.

POS VRX rychlo odvzdušňovací ventily umožňují možnost (pokud jsou namontovány na pneumatickém válci) rychle vypustit tlak uvnitř. Díky materiálu použitému k jejich realizaci (neruzová ocel AISI 316L) umožňují použití ve zvláště drsném nebo velmi citlivém prostředí, jako jsou potravinářství, nápojová technika a farmaceutický průmysl.

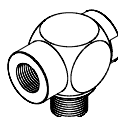
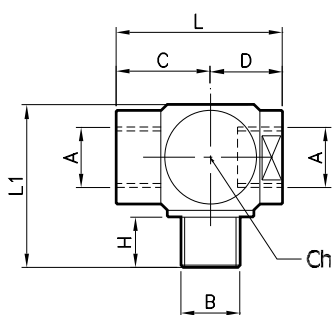
Le valvole a scarico rapido VRX di POS, consentono, se montate su di un cilindro pneumatico, di scaricare rapidamente la pressione in esso contenuta. Grazie al tipo di materiale con cui sono costruite, acciaio inox AISI 316L, permettono l'impiego in ambienti particolarmente gravosi o estremamente delicati come quello alimentare e farmaceutico.

### TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

Fluid / <b>Tekutina</b> / Fluido	Lubricated or non lubricated air / <b>Mazaný nebo nemazaný vzduch</b> / Aria con o senza lubrificazione
Pressure range / <b>Pracovní tlak</b> / Pressione di esercizio	2 - 10 bar
Temperature range / <b>Provozní teplota</b> / Temperatura di esercizio	-20°C / +180°C

### COMPONENTS / KOMPONENTY / COMPONENTI

Body / <b>Tělo</b> / Corpo	Stainless steel AISI 316L / <b>Nerezová ocel AISI 316L</b> / Acciaio inox AISI 316L
Seals / <b>Těsnění</b> / Guarnizioni	1/8 - 1/4 : FKM 3/8 - 1/2 - 3/4 - 1" : polyurethane / <b>polyurethan</b> / poliuretano



CODE	A	B	C	D	H	L	L1	CH
VRX0062	1/8	1/8	21	16,5	10	37,5	37	22
VRX0063	1/4	1/4	21	16,5	11	37,5	37	22
VRX0064	3/8	3/8	25,5	19	12	44,5	42	26
VRX0065	1/2	1/2	23	31	15	54	52	32
VRX0066	3/4	3/4	35	44	19	79	72	46
VRX0067	1"	1"	35	44	22	79	75	46



This valve allows the transit of the air only in one way, the valve stops it in the opposite way. They are available with male or female thread, in several dimensions.

Tento ventil umožňuje průchod vzduchu pouze jedním směrem. Jsou k dispozici s vnějším nebo vnitřním závitem, nebo určené přímo na hadici a případně kombinace v dostupných rozměrech.

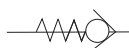
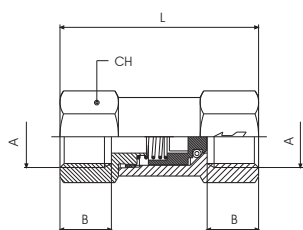
Questa valvola consente il passaggio dell'aria solamente in un senso bloccandola nel senso opposto.  
Sono disponibili con filetto maschio, femmina maschio/tubo o tubo/tubo in diverse dimensioni.

### TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

Fluid / Tekutina / Fluido	Lubricated or non lubricated air / Mazaný nebo nemazaný vzduch / Aria con o senza lubrificazione
Pressure range / Pracovní tlak / Pressione di esercizio	2 - 8 bar
Temperature range / Provozní teplota / Temperatura di esercizio	-20°C / +80°C

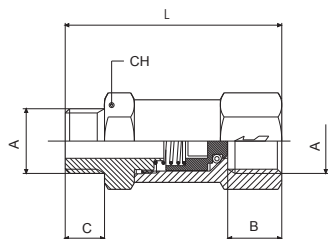
### COMPONENTS / KOMPONENTY / COMPONENTI

Body / Tělo / Corpo	Nickel-plated brass / Poniklovaná mosaz / Ottone nichelato
Spring / Pružina / Molla	Stainless steel / Nerezová ocel / Acciaio inox
Shutter / Koule / Otturatore	Nickel-plated brass / Poniklovaná mosaz / Ottone nichelato
Seals / Těsnění / Guarnizioni	NBR



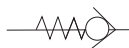
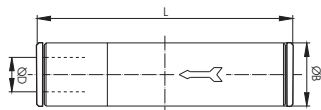
#### NON-RETURN VALVE FEMALE / FEMALE ZPĚTNÝ VENTIL VNITŘNÍ / VNITŘNÍ VALVOLE DI NON RITORNO FEMMINA / FEMMINA

CODE	A	B	L	CH
VR40011	M5	5,5	26,5	8
VR40012	1/8	8,5	35,5	13
VR40013	1/4	11	43	17
VR40014	3/8	12	58	24
VR40015	1/2	15	63	24



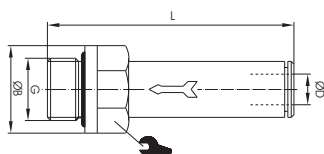
#### NON-RETURN VALVE MALE / FEMALE ZPĚTNÝ VENTIL VNITŘNÍ / VNĚJŠÍ VALVOLE DI NON RITORNO MASCHIO / FEMMINA

CODE	A	B	C	L	CH
VR40021	M5	5,5	4	34,5	8
VR40022	1/8	8,5	6	37,5	14
VR40023	1/4	11	8	46,6	17
VR40024	3/8	12	9	61	24
VR40025	1/2	15	10	64	24




TUBE / TUBE NON-RETURN VALVE  
**ZPĚTNÝ VENTIL NA HADICI**  
 VALVOLE DI NON RITORNO TUBO / TUBO

CODE	ØD	ØB	L
VR400504	4	9	44,5
VR400506	6	11	50
VR400508	8	13	53,5



MALE THREAD / TUBE NON-RETURN VALVE  
**ZPĚTNÝ VENTIL VNĚJŠÍ / NA HADICI**  
 VALVOLE DI NON RITORNO FILETTO MASCHIO / TUBO

CODE	ØD	G	ØB	L	
VR4003104	4	M5	8	37	9
VR4003204	4	1/8	13	30	11
VR4003206	6	1/8	13	37,5	13
VR4003306	6	1/4	16	38	14
VR4003208	8	1/8	13	38	15
VR4003308	8	1/4	16	39	16
VR4003310	10	1/4	16	42,5	18
VR4003410	10	3/8	20	42,5	18
VR4003512	12	1/2	25	45	22
VR4003514	14	1/2	25	52,5	25

Stainless steel AISI 316L non-return valves, are designed for harsh usage conditions. The driven shutter and the spring never compressed completely, guarantee very high intervention frequencies.

**Nerezové zpětné ventily AISI 316L jsou navrženy pro náročné podmínky použití.**

*Le valvole di non ritorno in acciaio inox AISI 316L, sono concepite per condizioni d'impiego gravose. L'otturatore guidato e la molla mai compressa completamente, garantiscono altissime frequenze d'intervento.*

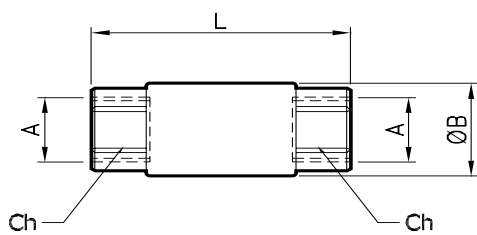


**TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI**

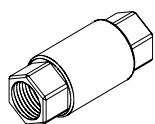
Fluid / <b>Tekutina</b> / Fluido	Lubricated or non lubricated air / <b>Mazaný nebo nemazaný vzduch</b> / Aria con o senza lubrificazione
Pressure range / <b>Pracovní tlak</b> / Pressione di esercizio	0,25 - 40 bar
Temperature range / <b>Provozní teplota</b> / Temperatura di esercizio	-20°C / +180°C

**COMPONENTS / KOMPONENTY / COMPONENTI**

Body / <b>Tělo</b> / Corpo	Stainless steel AISI 316L / <b>Nerezová ocel AISI 316L</b> / Acciaio inox AISI 316L
Spring / <b>Pružina</b> / Molla	Stainless steel AISI 316L / <b>Nerezová ocel AISI 316L</b> / Acciaio inox AISI 316L
Shutter / <b>Koule</b> / Otturatore	Stainless steel AISI 316L / <b>Nerezová ocel AISI 316L</b> / Acciaio inox AISI 316L
Seals / <b>Těsnění</b> / Guarnizioni	FKM



CODE	A	B	L	CH
VRX0012	1/8	22	50	17
VRX0013	1/4	22	50	17
VRX0014	1/8	30	67	22
VRX0015	1/2	30	71	24
VRX0016	3/4	35	78	32
VRX0017	1"	42	90	38





The selector valve can control two different inputs, choosing one or the other, but using only one way out.

**Logické prvky.**

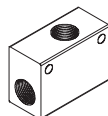
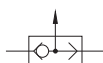
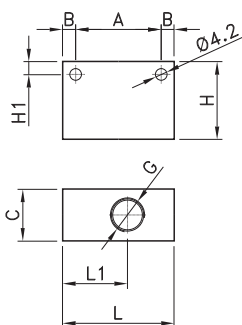
La valvola selettiva ha il compito di comandare due diversi ingressi selezionando uno o l'altro ma di utilizzare una sola uscita.

**TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI**

Fluid / Tekutina / Fluido	Lubricated or non lubricated air / Mazaný nebo nemazaný vzduch / Aria con o senza lubrificazione
Pressure range / Pracovní tlak / Pressione di esercizio	2 - 10bar
Temperature range / Provozní teplota / Temperatura di esercizio	-10°C / +60°C
Nominal flow rate at 6 bar / Průtok à 6 bar / Portata a 6 bar	1/8=400 NI/min · 1/4=1300 NI/min

**COMPONENTS / KOMPONENTY / COMPONENTI**

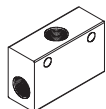
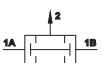
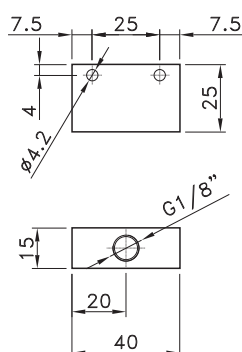
Body / Tělo / Corpo	Aluminium anodized / Eloxovaný hliník / Alluminio anodizzato
Internal parts / Vnitřní části / Parti interne	Brass / mosaz / Ottone
Seals / Těsnění / Guarnizioni	NBR



OR

CODE	
VS0101	1/8
VS0201	1/4

G	A	B	C	H	H1	L	L1
G1/8	20	4.5	15	25	4.5	34.8	14.5
G1/4	33	5	20	30	5	43	25



AND

CODE	
VL22	



The stop valves is a pneumatic device that locks the cylinder's stroke in case of loss of pressure in the system. The valves are mounted directly on the cylinder's supply and do not interfere with the functioning of the cylinder.

**Uzavírací ventily jsou pneumatické zařízení, které zablokuje zdvih válce v případě ztráty tlaku v systému. Ventily jsou namontovány přímo na napájení válce a nenarušují fungování válce.**

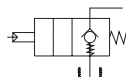
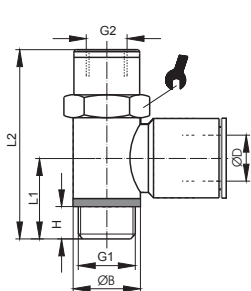
*Le valvole di blocco sono dispositivi pneumatici che garantiscono il bloccaggio della corsa del cilindro in caso di caduta di pressione dell'impianto. Vengono montati direttamente sulle alimentazioni del cilindro e non interferiscono sul normale funzionamento del cilindro stesso.*

## TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

Fluid / Tekutina / Fluido	Lubricated or non lubricated air / Mazaný nebo nemazaný vzduch / Aria con o senza lubrificazione
Pressure range / Pracovní tlak / Pressione di esercizio	1 - 10 bar
Temperature range / Provozní teplota / Temperatura di esercizio	-10°C / +70°C
Thread / Závit / Filetti	1/8 - 1/4 - 3/8 - 1/2
Tube / Trubka / Tubo	4mm - 6mm - 8mm - 10mm - 12mm

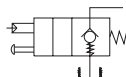
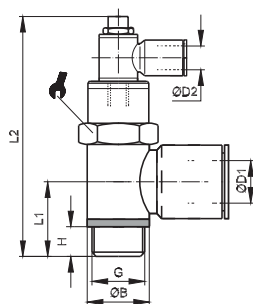
Valves / Ventily / Valvole

STOP VALVES / BLOKAČNÍ VENTILY / VALVOLE DI BLOCCO



### STOP VALVE STOP VENTIL VALVOLE DI BLOCCO

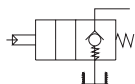
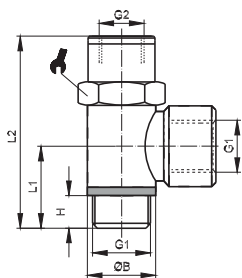
CODE	ØD	G1	ØB	G2	H	L1	L2	CH
VO0204	4	1/8	14	M5	6	15,5	42	13
VO0206	6	1/8	14	M5	6	15,5	42	13
VO0306	6	1/4	18	M5	8	18,5	47	17
VO0208	8	1/8	14	M5	6	15,5	42	13
VO0308	8	1/4	18	M5	8	18,5	47	17
VO0408	8	3/8	21	1/8	9	21	53,5	20
VO0310	10	1/4	18	M5	8	18,5	47	17
VO0410	10	3/8	21	1/8	9	21	53,5	20
VO0312	12	1/4	18	M5	8	18,5	47	17
VO0412	12	3/8	21	1/8	9	21	53,5	20



### STOP VALVE WITH PNEUMATIC CONTROL STOP VENTIL S PNEUMATICKÝM OVLÁDÁNÍM VALVOLE DI BLOCCO CON COMANDO PNEUMATICO

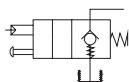
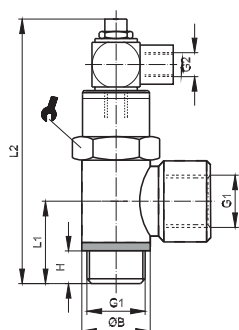
CODE	ØD1	G	ØB	ØD1	H	L1	L2	CH
VO2204	4	1/8	14	4	6	15,5	62	13
VO2206	6	1/8	14	4	6	15,5	62	13
VO2306	6	1/4	18	4	8	18,5	67	17
VO2208	8	1/8	14	4	6	15,5	62	13
VO2308	8	1/4	18	4	8	18,5	67	17
VO2408	8	3/8	21	6	9	21	76,5	20
VO2310	10	1/4	18	4	8	18,5	67	17
VO2410	10	3/8	21	6	9	21	76,5	20
VO2312	12	1/4	18	4	8	18,5	67	17
VO2412	12	3/8	21	6	9	21	76,5	20





FEMALE STOP VALVE  
**STOP VENTIL VNITŘNÍ**  
*VALVOLA DI BLOCCO FEMMINA*

CODE	G1	ØB	G2	H	L1	L2	CH
<b>VO02</b>	1/8	15	M5	6	15,5	42	13
<b>VO03</b>	1/4	18	M5	8	18,5	47	17
<b>VO04</b>	3/8	22	1/8	9	21	53,5	20
<b>VO05</b>	1/2	27	1/8	10	24,5	60	25



FEMALE STOP VALVE WITH PNEUMATIC CONTROL  
**STOP VENTIL S PNEUMATICKÝM OVLÁDÁNÍM VNITŘNÍ**  
*VALVOLA DI BLOCCO FEMMINA CON COMANDO PNEUMATICO*

CODE	G1	ØB	G2	H	L1	L2	CH
<b>VO22</b>	1/8	15	M5	6	15,5	62	13
<b>VO23</b>	1/4	18	M5	8	18,5	67	17
<b>VO24</b>	3/8	22	1/8	9	21	76,5	20
<b>VO25</b>	1/2	27	1/8	10	24,5	83	25



The slide valves with switch on/off, allow the exhaust of the air (position off).

Posuvné ventily slouží k uzavření a otevření pneumatického odvodu a při zavření odvětrají celý systém.

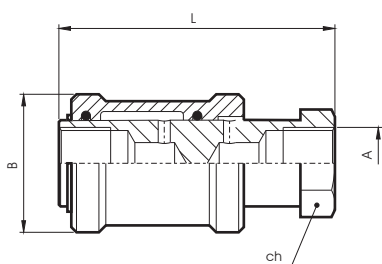
Le valvole a corsoio sono vere e proprie valvole di intercettazione on/off che consentono lo scarico dell'aria dall'impianto durante la commutazione in off.

### TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

Fluid / Tekutina / Fluido	Lubricated or non lubricated air / Mazaný nebo nemazaný vzduch / Aria con o senza lubrificazione
Pressure range / Pracovní tlak / Pressione di esercizio	0,3 - 10 bar
Temperature range / Provozní teplota / Temperatura di esercizio	-18°C / +70°C

### COMPONENTS / KOMPONENTY / COMPONENTI

Slide / posuvka / Corsoio	Aluminium / Hliník / Alluminio
Rod / Tyč / Stelo	Nickel-plated brass / Poniklovaná mosaz / Ottone nichelato
Seals / Těsnění / Guarnizione	NBR



CODE	A	B	L	CH
VR40032	1/8	25	48	14
VR40033	1/4	30	58	17
VR40034	3/8	35	70	22
VR40035	1/2	40	80	26



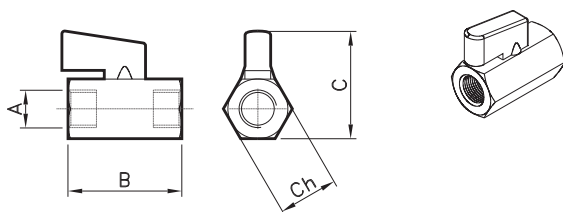
They are ON / OFF valves for various application areas: air, water and hydraulic circuits, and 'also possible the use for tire vacuum.

**Jsou to ventily ON / OFF pro různé oblasti použití: vzduch, voda a hydraulické obvody a také možné použití pro vakuum.**

*Sono valvole ON/OFF per vari campi di applicazione: Aria, acqua e circuiti oleodinamici, è anche possibile l'utilizzo per vuoto pneumatico.*

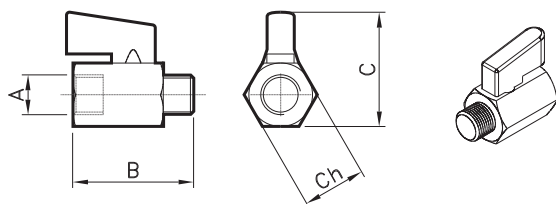
**TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI**

Pressure range / <b>Pracovní tlak</b> / <i>Pressione di esercizio</i>	1 - 10 bar
Temperature range / <b>Provozní teplota</b> / <i>T emperatura di esercizio</i>	-10°C / +60°C
Body valve / <b>Tělový ventil</b> / <i>Corpo valvola</i>	Brass / <b>mosaz</b> / <i>Ottone</i>
Ball / <b>Míč</b> / <i>Sfera</i>	Brass / <b>mosaz</b> / <i>Ottone</i>
Lever / <b>Páka</b> / <i>Leva</i>	PA 66
Ball seals / <b>Kuličková těsnění</b> / <i>Guarnizioni sfera</i>	PTFE
Thread / <b>Závit</b> / <i>Filettatura</i>	DIN EN ISO 228



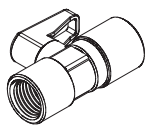
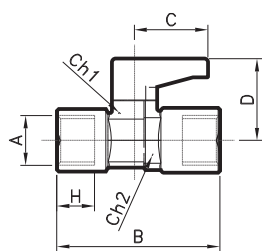
MINI BALL VALVE FEMALE / FEMALE PARALLEL  
**MINI KULOVÉ VENTILY VNITŘNÍ / VNITŘNÍ**  
RUBINETTO A SFERA FEMMINA / FEMMINA CILINDRICO

CODE	A	B	C	CH	DN
VR40042	1/8	39	38	21	6
VR40043	1/4	40	38	21	8
VR40044	3/8	42	38	21	8
VR40045	1/2	48	42	25	10



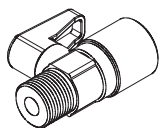
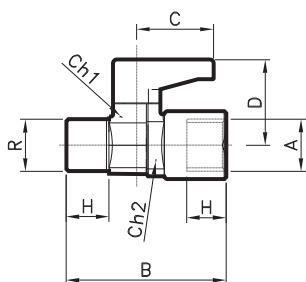
MINI BALL VALVE MALE / FEMALE PARALLEL  
**MINI KULOVÉ VENTILY VNITŘNÍ / VNĚJŠÍ**  
RUBINETTO A SFERA MASCHIO / FEMMINA CILINDRICO

CODE	A	B	C	CH	DN
VR40052	1/8	39	38	21	6
VR40053	1/4	39	38	21	8
VR40054	3/8	40	38	21	8
VR40055	1/2	46	42	25	10



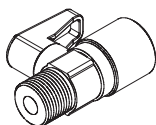
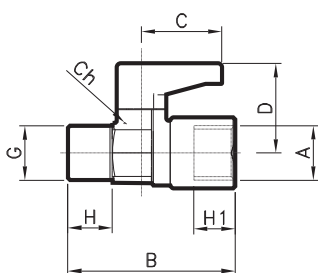
MINI BALL VALVE FEMALE / FEMALE PARALLEL  
**MINI KULOVÉ VENTILY VNITŘNÍ / VNITŘNÍ**  
RUBINETTO A SFERA FEMMINA / FEMMINA CILINDRICO

CODE	A	B	C	D	H	CH1	CH2	DN
BV0102	G1/8	36,5	19	21,5	8	14	14	5,5
BV0103	G1/4	43,1	19	21,5	11	14	14	5,5
BV0104	G3/8	48	19	22,5	11,5	18	18	7
BV0105	G1/2	59	25	32	16	22	22	10
BV0106	G3/4	67	26	33	16,3	28	30	14



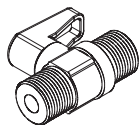
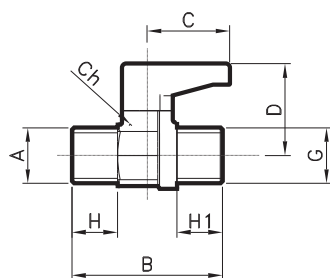
MINI BALL VALVE MALE CONIC / FEMALE PARALLEL  
**MINI KULOVÉ VENTILY VNITŘNÍ / VNĚJŠÍ**  
RUBINETTO A SFERA MASCHIO CONICO / FEMMINA CILINDRICO

CODE	A	B	C	D	H	CH1	CH2	R	DN
BV0202	G1/8	35,5	19	21,5	8	14	14	R1/8	5,5
BV0203	G1/4	40,5	19	21,5	11	14	14	R1/4	5,5
BV0204	G3/8	46	19	22	11,4	18	19	R3/8	8
BV0205	G1/2	58	25	32	17	22	22	R1/2	10
BV0206	G3/4	63	26	33	16,3	28	30	R3/4	14



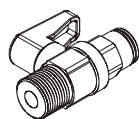
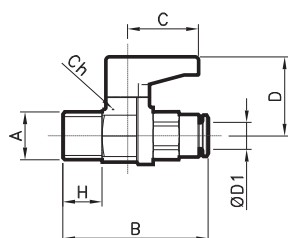
MINI BALL VALVE MALE / FEMALE PARALLEL  
**MINI KULOVÉ VENTILY VNITŘNÍ / VNĚJŠÍ**  
RUBINETTO A SFERA MASCHIO / FEMMINA CILINDRICO

CODE	A	B	C	D	G	H	H1	CH	DN
BV0302	G1/8	34,5	19	21,5	G1/8	7	8	14	5,5
BV030302	G1/8	35,5	19	21,5	G1/4	8	8	14	5,5
BV0303	G1/4	37,5	19	21,5	G1/4	8	11	14	5,5
BV030403	G1/4	38,5	19	21,5	G3/8	9	11	14	5,5



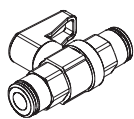
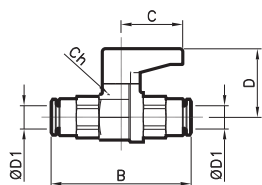
MINI BALL VALVE MALE / MALE PARALLEL  
**MINI KULOVÝ VENTIL VNĚJŠÍ / VNĚJŠÍ**  
RUBINETTO A SFERA MASCHIO / MASCHIO CILINDRICO

CODE	A	B	C	D	G	H	H1	CH	DN
BV0402	G1/8	32	19	21,5	G1/8	7	7	14	5,5
BV040203	G1/8	32,5	19	21,5	G1/4	7	8	14	5,5
BV0403	G1/4	33,5	19	21,5	G1/4	8	8	14	5,5
BV040403	G3/8	34,5	19	21,5	G1/4	9	8	14	5,5



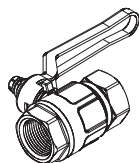
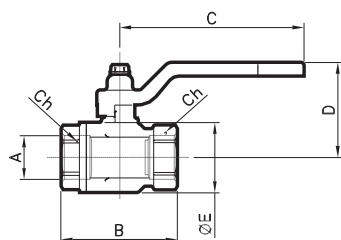
MINI BALL VALVE MALE CONIC PUCH-IN  
**MINI BALL VENTILOVÝ VENTIL KOMICKÝ PUNCH-IN**  
RUBINETTO A SFERA MASCHIO CONICO E ATTACCO AUTOMATICO

CODE	A	B	C	D	ØD1	H	CH	DN
BV050204	R1/8	41	19	21,5	4	8,5	14	5,5
BV050304	R1/4	44	19	21,5	4	11,5	14	5,5
BV050206	R1/8	41	19	21,5	6	8,5	14	5,5
BV050306	R1/4	44	19	21,5	6	11,5	14	5,5
BV050406	R3/8	45	19	21,5	6	12	14	5,5
BV050308	R1/4	48	19	21,5	8	11,5	14	5,5
BV050408	R3/8	48,5	19	21,5	8	12	14	5,5



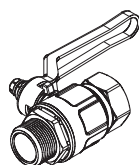
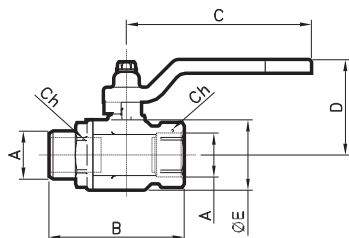
MINI BALL VALVE PUCH-IN  
**MINI KULOVÝ VENTIL NÁSTRČNÝ NA HADICI**  
*RUBINETTO A SFERA ATTACCO AUTOMATICO*

CODE	B	C	D	ØD1	CH
<b>BV0704</b>	43	19	21,5	4	14
<b>BV0706</b>	43	19	21,5	6	14
<b>BV0708</b>	47,5	19	21,5	8	14



UNIVERSAL BALL VALVE FEMALE / FEMALE PARALLEL  
**UNIVERZÁLNÍ KULOVÝ VENTIL VNITŘNÍ / VNITŘNÍ**  
*RUBINETTO A SFERA UNIVERSALE FEMMINA / FEMMINA CILINDRICO*

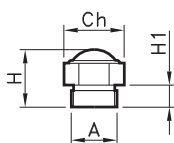
CODE	A	B	C	D	ØE	CH	DN
<b>BV2103</b>	G1/4	48	80	43	25	18	10
<b>BV2104</b>	G3/8	48	80	43	25	21	10
<b>BV2105</b>	G1/2	51	80	45	31	25	15
<b>BV2106</b>	G3/4	57	113	60	37	31	20
<b>BV2107</b>	G1	70	113	63	46	38	25
<b>BV2108</b>	G1 1/4	80	138	79	57	47	32
<b>BV2109</b>	G1 1/2	93	138	83	70	54	40
<b>BV2110</b>	G2	112	158	100	84	66	50



UNIVERSAL BALL VALVE MALE / FEMALE PARALLEL  
**UNIVERZÁLNÍ KULOVÝ VENTIL VNITŘNÍ / VNĚJŠÍ**  
*RUBINETTO A SFERA UNIVERSALE MASCHIO / FEMMINA CILINDRICO*

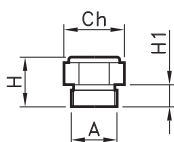
CODE	A	B	C	D	ØE	CH	DN
<b>BV2203</b>	G1/4	54	80	43	25	18	10
<b>BV2204</b>	G3/8	54	80	43	25	21	10
<b>BV2205</b>	G1/2	58,5	80	41	31	25	15
<b>BV2206</b>	G3/4	65	110	60	37	31	20
<b>BV2207</b>	G1	77	110	63	46	38	25
<b>BV2208</b>	G1 1/4	90	138	89	57	47	32
<b>BV2209</b>	G1 1/2	103	138	83	70	54	40
<b>BV2210</b>	G2	116	158	100	84	66	50

SILENCER-DOME WIRE AISI 304 STAINLESS  
**TLUMIČ HLUKU S AISI 304 NEREZOVÝM MIKROPERFOROVANÝM VNITŘKEM**  
SILENZIATORE CON RETE MICROFORATA IN ACCIAIO INOX AISI 304



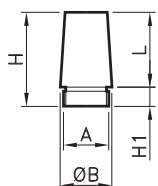
CODE	A	H	H1	CH
SI40011	M5	8	4	8
SI40012	1/8	15	6	13
SI40013	1/4	18	6	16
SI40014	3/8	20	8	19
SI40015	1/2	22	10	24
SI40016	3/4	26	10	30
SI40017	1	28	10	36

SILENCER WITH SINTERED SPHERICAL BRONZE DOME  
**TLUMIČ HLUKU SINITROVANÁ BRONZ**  
SILENZIATORE CON PASTIGLIE SFERICHE IN BRONZO



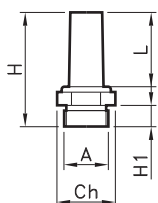
CODE	A	H	H1	CH
SI40021	M5	8,5	4	8
SI40022	1/8	12	6	13
SI40023	1/4	16	8	16
SI40024	3/8	17	8	19
SI40025	1/2	18	10	24
SI40026	3/4	19	10	30
SI40027	1	20	10	36

CONICAL SILENCER SPHERICAL BRONZE SINTERED  
**TLUMIČ HLUKU SINITROVANÁ BRONZ**  
SILENZIATORE CONICO CON PASTIGLIE IN BRONZO



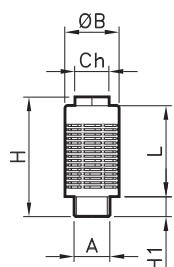
CODE	A	B	H	H1	L
SI40032	1/8	11,5	22	4,5	17,5
SI40033	1/4	15	26	6	20
SI40034	3/8	19	34,5	7	27,5
SI40035	1/2	23	43	8	35
SI40036	3/4	30	50	9	41
SI40037	1	37	60,5	11	49,5

CONICAL SILENCER REPLIED ON SINTERED SPHERICAL BRONZE  
**TLUMIČ HLUKU SINITROVANÁ BRONZ**  
SILENZIATORE CONICO IN BRONZO SFERICO SINTERIZZATO



CODE	A	H	H1	L	CH
SI40041	M5	17	4	10	8
SI40042	1/8	26	6	16	13
SI40043	1/4	34	8	21	16
SI40044	3/8	41	8	28	19
SI40045	1/2	46	10	30	24
SI40046	3/4	56	10	40	30
SI40047	1	66	10	50	36

DYNAMIC SELF-CLEANING PLASTIC SILENCER  
**TLUMIČ HLUKU PLAST**  
SILENZIATORE PLASTICA DINAMICO AUTOPULENTE

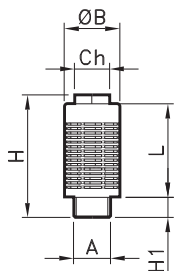


CODE	A	B	H	H1	L	CH
SI40052	1/8	15,5	35	7	26	10
SI40053	1/4	19,5	43	7	32	12
SI40054	3/8	24,5	59	11	45	16
SI40055	1/2	24,5	59	11	45	16
SI40056	3/4	50	118	18	90	25
SI40057	1	50	118	18	90	25

SILENCER PLASTIC WITH STATIC POLYTHENE

**TLUMIČ HLUKU PLAST**

SILENZIATORE PLASTICO STATICO CON CARTUCCIA IN POLITENE

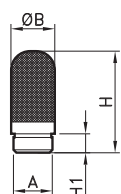


CODE	A	B	H	H1	L	CH
SI40082	1/8	15,5	35	7	26	10
SI40083	1/4	19,5	43	7	32	12
SI40084	3/8	24,5	59	11	45	16
SI40085	1/2	24,5	59	11	45	16
SI40086	3/4	50	118	18	90	25
SI40087	1	50	118	18	90	25

SINTERED POLYETHYLENE SILENCER WELDED

**TLUMIČ HLUKU**

SILENZIATORE POLITENE POROSO

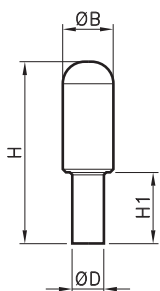


CODE	A	B	H	H1
SI40091	M5	6,5	23	4
SI40092	1/8	12,5	34	6
SI40093	1/4	15,5	42,5	7
SI40094	3/8	18,5	67,5	11,5
SI40095	1/2	23,5	78	11
SI40096	3/4	38,5	140	15,5
SI40097	1	49	160	19,5

POLYETHYLENE SILENCER WELDED FOR AUTOMATIC FITTINGS

**TLUMIČ HLUKU POUŽITÍ NA ŠROUBENÍ**

SILENZIATORE IN POLIETILENE PER RACCORDI AUTOMATICI

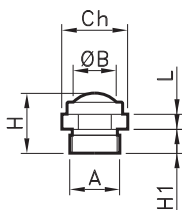


CODE	B	D	H	H1
SI40102	7,5	4	32	14
SI40103	13	6	45	17
SI40104	14	8	43,5	18
SI40105	16	10	57,5	22,7
SI40106	19	12	82	24,5

STAINLESS STEEL AISI 316L SILENCER

**TLUMIČ HLUKU AISI 316L**

SILENZIATORE INOX AISI 316L

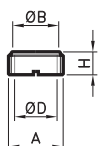


CODE	A	B	H	H1	L	CH
SI400111	M5	5,5	8	4	3	8
SI40112	1/8	9,5	15	6	4	13
SI40113	1/4	11	18	8	5	16
SI40114	3/8	14,5	20	8	5	19
SI40115	1/2	19	22	10	6	24
SI40116	3/4	24	26	10	6	30
SI40117	1	31	28	10	6	36

SILENCER WITH RIVETED SINTERED SPHERICAL BRONZE

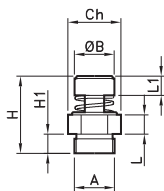
**TLUMIČ HLUKU**

SILENZIATORE CON PASTIGLIA IN BRONZO SFERICO SINTERIZZATO



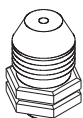
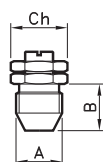
CODE	A	B	D	H
SI40122	1/8	5,5	5,5	4,5
SI40123	1/4	8	6	6
SI40124	3/8	9	9,5	7
SI40125	1/2	12	12,5	9
SI40126	3/4	20	19	9
SI40127	1	25	24	10

EXHAUST REGULATOR WITH SILENCER  
**TLUMIČ HLUKU SE ŠKRČENÍM**  
REGOLATORE DI SCARICO CON SILENZIATORE



CODE	A	B	H min	H max	H1	L	L1	CH
SI40062	1/8	12	25	28	6	6,5	8	13
SI40063	1/4	14	27	31	8	5,5	8	15
SI40064	3/8	17	31	35	10	8	8	22
SI40065	1/2	18	35	40	10	7,5	10	22

PRECISION EXHAUST REGULATOR  
**PŘESNÝ ŠKRTÍČÍ ODFUK**  
REGOLATORE DI SCARICO DI PRECISIONE



CODE	A	B	CH
SI40072	1/8	11	12
SI40073	1/4	13,3	14





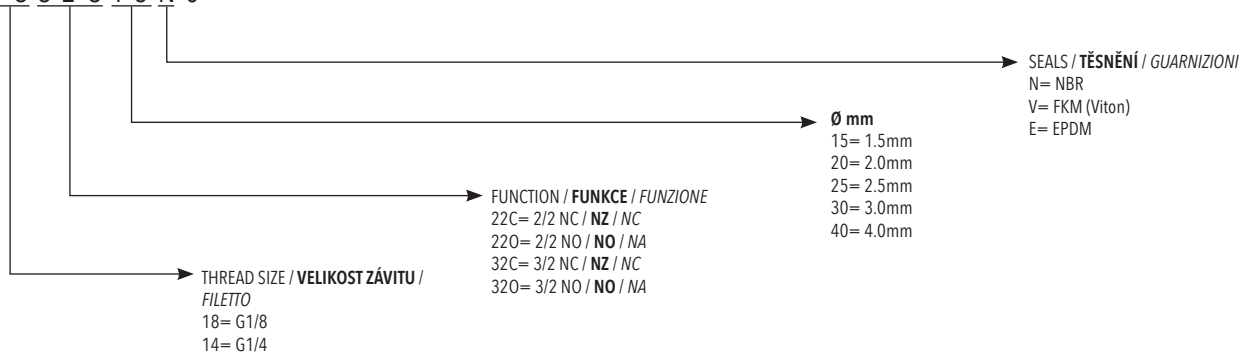
VQ direct electrovalves, are particularly suitable to control water, air, inert gas, steam and for all fluids in general (not aggressive). The extremely compact brass body, gives to them the possibility to be used in very small places. They're available in different versions as 2/2, 3/2 NC and NO and with NBR, Viton or EPDM seals.

**Přímo ovládané elektromagnetické ventily VQ jsou zvláště vhodné pro ovládání vody, vzduchu, inertního plynu, páry a pro všechny tekutiny obecně (neagresivní). Extrémně kompaktní mosazné tělo jim dává možnost použití na velmi malých místech. Jsou k dispozici v různých verzích jako 2/2, 3/2 NC a NO as těsněním NBR, Viton nebo EPDM.**

*Le elettrovalvole della serie VQ a comando diretto sono particolarmente indicate per il controllo di acqua, aria, gas inerti, vapore e in generale di fluidi non aggressivi. Il corpo in ottone estremamente compatto ne permettono l'utilizzo in spazi molto ristretti. Sono disponibili diverse versioni tra cui 2/2 e 3/2 NC e NA e guarnizioni in NBR, Viton e EPDM.*

**ORDERING CODE / OBJEDNÁVKOVÝ KÓD / CHIAVE DI CODIFICA**

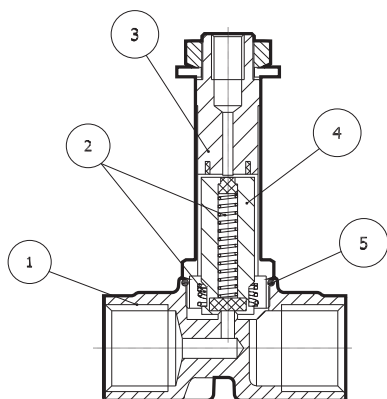
V Q D 1 8 3 2 C 1 5 N 0



**TECHNICAL CHARACTERISTICS / TECHNICKÁ DATA / CARATTERISTICHE TECNICHE**

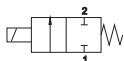
Max. allowable pressure / Maximální pracovní tlak / Pressione massima ammissibile			40 bar
Temperature range / Provozní teplota / Temperatura di utilizzo	NBR	-10°C / +90°C	Air, inert gas, water max 75 °C, mineral oils, gas oil, fuel oils <b>Vzduch, neutrální plyny, voda max. 75 °C, minerální oleje, nafta, topný olej</b> <i>Aria, gas inerti, acqua max 75 °C, oli minerali, gasolio, oli combustibili</i>
	FKM	-10°C / +140°C	Mineral oils, gasoline, gas oil, fuel oils <b>Minerální oleje, benzín, topný olej</b> <i>Oli minerali, benzina, oli combustibili</i>
	EPDM	-10°C / +140°C	Hot water, steam (max pressure 2.5 bar) <b>Horká voda, pára (maximální pracovní tlak 2,5 bar)</b> <i>Acqua calda, vapore (pressione max 2.5 bar)</i>

**COMPONENTS / KOMPONENTY / COMPONENTI**



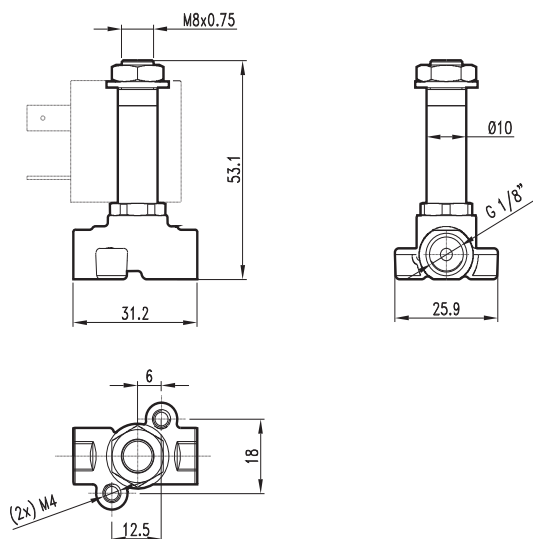
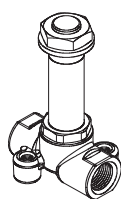
DESCRIPTION / POPIS / DESCRIZIONE	MATERIAL / MATERIÁL / MATERIALE
1 Body / Tělo / Corpo	Brass / mosaz / Ottone
2 Springs / Pružina / Molle	Stainless Steel / Nerezová ocel / Acciaio inox
3 Armature tube / Pilotn / Tubo guida	Stainless Steel / Nerezová ocel / Acciaio inox
4 Core / Jádno / Nucleo	Steel / Nerezová ocel / Acciaio inox
5 Seals / Těsnění / Guarnizioni	NBR - EPDM - FKM

2/2 NC / NZ / NC

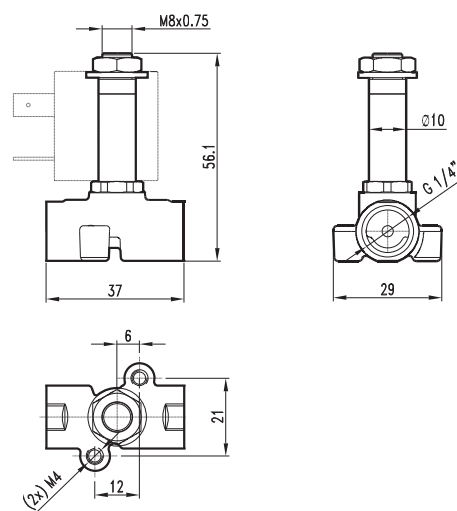
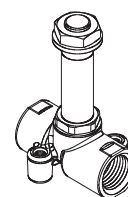


Code Code Codice	Seals Těsnění Guarnizioni	Thread size Závit Filetto	Ø mm	Viscosity (Max cSt) Viskozita (Max cSt) Viscosità (Max cSt)	Kv m³/h	Power / Napájení Potenza		ΔP [bar]	
						DC W	AC VA	min	max
VQD1822C15N	NBR	1/8	1,5	25	0.06	6.5	-	0	21.1
VQD1822C15V	FKM					8	-	0	40
VQD1822C15E	EPDM					-	7.5	0	26
VQD1822C20N	NBR	1/8	2	37	0.09	6.5	-	0	11
VQD1822C20V	FKM					8	-	0	28.7
VQD1822C20E	EPDM					-	7.5	0	13.6
VQD1822C25N	NBR	1/8	2,5	53	0.15	6.5	-	0	3.7
VQD1822C25V	FKM					8	-	0	11
VQD1822C25E	EPDM					-	7.5	0	6.1
VQD1822C30N	NBR	1/8	3	53	0.20	6.5	-	0	1.7
VQD1822C30V	FKM					8	-	0	6.2
VQD1822C30E	EPDM					-	7.5	0	3.6
VQD1822C40N	NBR	1/8	4	53	0.30	6.5	-	0	1
VQD1822C40V	FKM					8	-	0	2.2
VQD1822C40E	EPDM					-	7.5	0	1.4
VQD1422C15N	NBR	1/4	1,5	25	0.06	6.5	-	0	21.1
VQD1422C15V	FKM					8	-	0	40
VQD1422C15E	EPDM					-	7.5	0	26
VQD1422C20N	NBR	1/4	2	37	0.09	6.5	-	0	11
VQD1422C20V	FKM					8	-	0	28.7
VQD1422C20E	EPDM					-	7.5	0	13.6
VQD1422C25N	NBR	1/4	2,5	53	0.15	6.5	-	0	3.7
VQD1422C25V	FKM					8	-	0	11
VQD1422C25E	EPDM					-	7.5	0	6.1
VQD1422C30N	NBR	1/4	3	53	0.20	6.5	-	0	1.7
VQD1422C30V	FKM					8	-	0	6.2
VQD1422C30E	EPDM					-	7.5	0	3.6
VQD1422C40N	NBR	1/4	4	53	0.30	6.5	-	0	1
VQD1422C40V	FKM					8	-	0	2.2
VQD1422C40E	EPDM					-	7.5	0	1.4

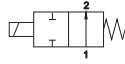
1/8



1/4

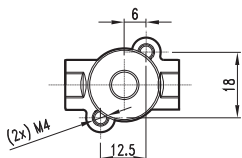
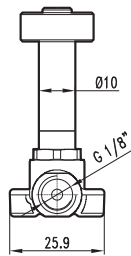
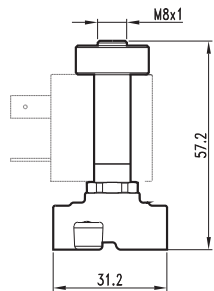
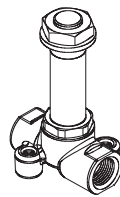


2/2 NO / NO / NA

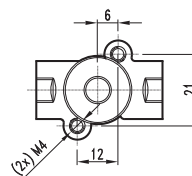
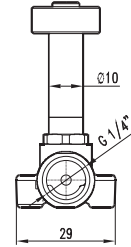
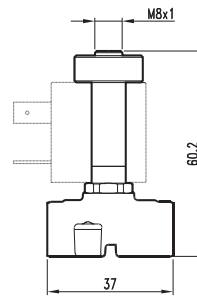
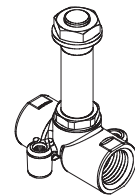


Code Code Codice	Seals Těsnění Guarnizioni	Thread size Závit Filetto	Ø mm	Viscosity (Max cSt) Viskozita (Max cSt) Viscosità (Max cSt)	Kv m³/h	Power / Napájení Potenza		ΔP [bar]	
						DC W	AC VA	min	max
VQD1822015N	NBR	1/8	1,5	25	0.06	6.5	-	1.5	17
VQD1822015V	FKM					8	-	0	17
VQD1822015E	EPDM					-	7.5	0	17
VQD1822020N	NBR	1/8	2	37	0.09	6.5	-	0.8	9.5
VQD1822020V	FKM					8	-	0	9.5
VQD1822020E	EPDM					-	7.5	0	9.5
VQD1822025N	NBR	1/8	2,5	53	0.15	6.5	-	2.2	6.1
VQD1822025V	FKM					8	-	0	6.1
VQD1822025E	EPDM					-	7.5	0	6.1
VQD1822030N	NBR	1/8	3	53	0.20	6.5	-	1.8	4.2
VQD1822030V	FKM					8	-	0	4.2
VQD1822030E	EPDM					-	7.5	0	4.2
VQD1822040N	NBR	1/8	4	53	0.30	6.5	-	1.3	2.4
VQD1822040V	FKM					8	-	0	2.4
VQD1822040E	EPDM					-	7.5	0	2.4
VQD1422015N	NBR	1/4	1,5	25	0.06	6.5	-	1.5	17
VQD1422015V	FKM					8	-	0	17
VQD1422015E	EPDM					-	7.5	0	17
VQD1422020N	NBR	1/4	2	37	0.09	6.5	-	0.8	9.5
VQD1422020V	FKM					8	-	0	9.5
VQD1422020E	EPDM					-	7.5	0	9.5
VQD1422025N	NBR	1/4	2,5	53	0.15	6.5	-	2.2	6,1
VQD1422025V	FKM					8	-	0	6,1
VQD1422025E	EPDM					-	7.5	0	6,1
VQD1422030N	NBR	1/4	3	53	0.20	6.5	-	1.8	4.2
VQD1422030V	FKM					8	-	0	4.2
VQD1422030E	EPDM					-	7.5	0	4.2
VQD1422040N	NBR	1/4	4	53	0.30	6.5	-	1.3	2.4
VQD1422040V	FKM					8	-	0	2.4
VQD1422040E	EPDM					-	7.5	0	2.4

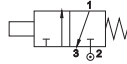
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1/4

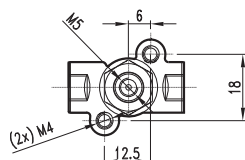
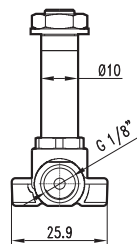
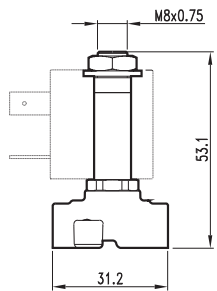
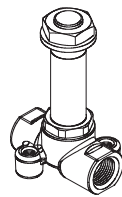


3/2 NC / NZ / NC

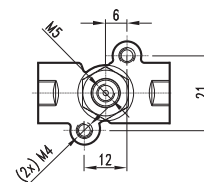
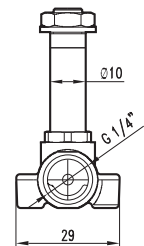
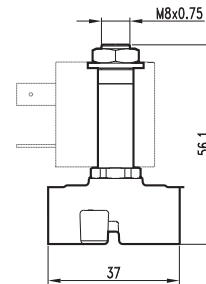
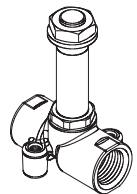


Code Code Codice	Seals Těsnění Guarnizioni	Thread size Závit Filetto	Ø mm		Viscosity (Max cSt) Viskozita (Max cSt) Viscosità (Max cSt)	Kv m³/h		Power / Napájení Potenza		ΔP [bar]	
			IN	EXH		IN	EXH	DC W	AC VA	min	max
VQD1832C15N	NBR	1/8	1.5	1.4	25	0.06	0.05	6.5	-	0	17
VQD1832C15V	FKM							8	-	0	17
VQD1832C15E	EPDM							-	7.5	0	17
VQD1832C20N	NBR	1/8	2.0	1.4	37	0.09	0.05	6.5	-	0	9.9
VQD1832C20V	FKM							8	-	0	9.9
VQD1832C20E	EPDM							-	7.5	0	9.9
VQD1832C25N	NBR	1/8	2.5	1.4	53	0.15	0.05	6.5	-	0.2	6.3
VQD1832C25V	FKM							8	-	0	6.3
VQD1832C25E	EPDM							-	7.5	0	6.3
VQD1832C30N	NBR	1/8	3.0	1.4	53	0.20	0.05	6.5	-	0.8	4.4
VQD1832C30V	FKM							8	-	0	4.4
VQD1832C30E	EPDM							-	7.5	0	4.4
VQD1832C40N	NBR	1/8	4.0	1.4	53	0.30	0.05	6.5	-	0.7	2.5
VQD1832C40V	FKM							8	-	0	2.5
VQD1832C40E	EPDM							-	7.5	0	2.5
VQD1432C15N	NBR	1/4	1.5	1.4	25	0.06	0.05	6.5	-	0	17.5
VQD1432C15V	FKM							8	-	0	17.5
VQD1432C15E	EPDM							-	7.5	0	17.5
VQD1432C20N	NBR	1/4	2.0	1.4	37	0.09	0.05	6.5	-	0	9.9
VQD1432C20V	FKM							8	-	0	9.9
VQD1432C20E	EPDM							-	7.5	0	9.9
VQD1432C25N	NBR	1/4	2.5	1.4	53	0.15	0.05	6.5	-	0.2	6.3
VQD1432C25V	FKM							8	-	0	6.3
VQD1432C25E	EPDM							-	7.5	0	6.3
VQD1432C30N	NBR	1/4	3.0	1.4	53	0.20	0.05	6.5	-	0.8	4.4
VQD1432C30V	FKM							8	-	0	4.4
VQD1432C30E	EPDM							-	7.5	0	4.4
VQD1432C40N	NBR	1/4	4.0	1.4	53	0.30	0.05	6.5	-	0.7	2.5
VQD1432C40V	FKM							8	-	0	2.5
VQD1432C40E	EPDM							-	7.5	0	2.5

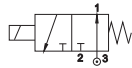
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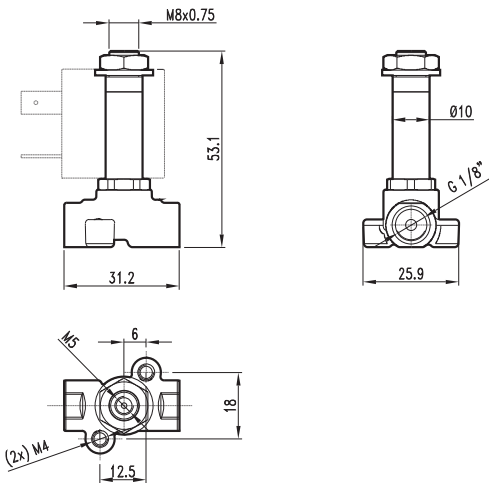
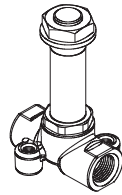


3/2 NO / NO / NA

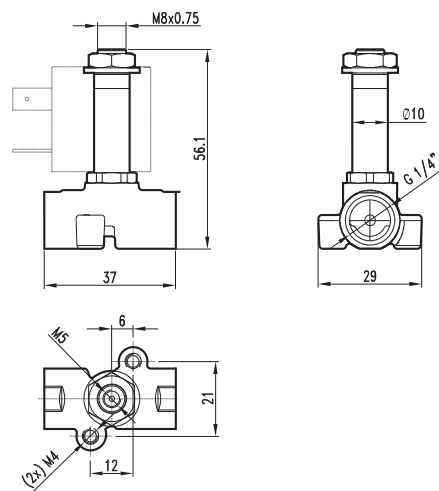
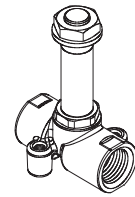


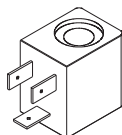
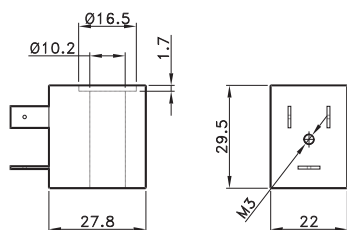
Code Code Codice	Seals Těsnění Guarnizioni	Thread size Závit Filetto	Ø mm		Viscosity (Max cSt) Viskozita (Max cSt) Viscosità (Max cSt)	Kv m <sup>3</sup> /h		Power / Napájení Potenza		ΔP [bar]	
			IN	EXH		IN	EXH	DC W	AC VA	min	max
VQD1832015N	NBR	1/8	1.4	1.5	25	0.05	0.06	6.5	-	0	15.6
VQD1832015V	FKM							8	-	0	40
VQD1832015E	EPDM							-	7.5	0	19.2
VQD1832020N	NBR	1/8	1.4	2.0	37	0.05	0.09	6.5	-	0	8.8
VQD1832020V	FKM							8	-	0	23.1
VQD1832020E	EPDM							-	7.5	0	10.8
VQD1832025N	NBR	1/8	1.4	2.5	53	0.05	0.15	6.5	-	0	3.1
VQD1832025V	FKM							8	-	0	9.2
VQD1832025E	EPDM							-	7.5	0	5.1
VQD1432015N	NBR	1/4	1.4	1.5	25	0.05	0.06	6.5	-	0	15.6
VQD1432015V	FKM							8	-	0	40
VQD1432015E	EPDM							-	7.5	0	19.2
VQD1432020N	NBR	1/4	1.4	2.0	37	0.05	0.09	6.5	-	0	8.8
VQD1432020V	FKM							8	-	0	23.1
VQD1432020E	EPDM							-	7.5	0	10.8
VQD1432025N	NBR	1/4	1.4	2.5	53	0.05	0.15	6.5	-	0	3.1
VQD1432025V	FKM							8	-	0	9.2
VQD1432025E	EPDM							-	7.5	0	5.1

1/8



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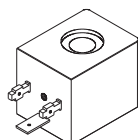
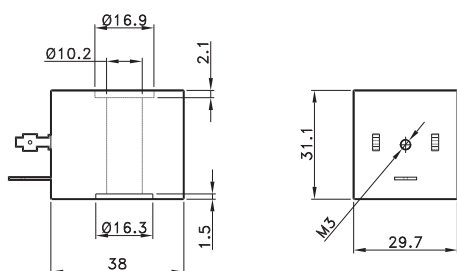


COILS 22 mm  
**CÍVKY 22 mm**  
**BOBINE 22 mm**

CODE	Power / Vstřebávání / Assorbimento	
	Tension Napětí Tensione	Power Napájení Potenza
<b>BO4051012</b>	12 V DC	6,5 W
<b>BO4051024</b>	24 V DC	6,5 W
<b>BO4052024</b>	24 V AC	7,5 VA
<b>BO4052110</b>	110 V AC	7,5 VA
<b>BO4052220</b>	220 V AC	7,5 VA

TECHNICAL SPECIFICATIONS  
**TECHNICKÁ DATA**  
**CARATTERISTICHE TECNICHE**

Tension tolerance / <b>Tolerance napětí</b> / Tolleranza di tensione	+10%
Protection with connector / <b>Ochrana konektorem</b> / Protezione con connettore	IP65
Max working temperature / <b>Maximální teplota použití</b> / Temperatura max di esercizio	+ 50°C
Duty cycle / <b>Čas zapnutí</b> / Inserimento	ED 100%

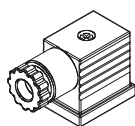
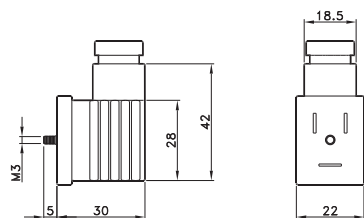


COILS 30 mm  
**CÍVKY 30 mm**  
**BOBINE 30 mm**

CODE	Power / Vstřebávání / Assorbimento	
	Tension Napětí Tensione	Power Napájení Potenza
<b>BO4061012</b>	12 V DC	8 W
<b>BO4061024</b>	24 V DC	8 W
<b>BO4062024</b>	24 V AC	11 VA
<b>BO4062110</b>	110 V AC	11 VA
<b>BO4062220</b>	220 V AC	11 VA

TECHNICAL SPECIFICATIONS  
**TECHNICKÁ DATA**  
**CARATTERISTICHE TECNICHE**

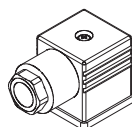
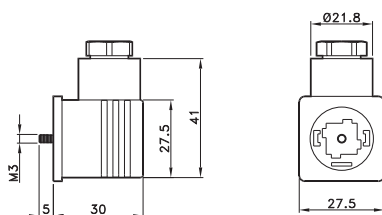
Tension tolerance / <b>Tolerance napětí</b> / Tolleranza di tensione	+10%
Protection with connector / <b>Ochrana konektorem</b> / Protezione con connettore	IP65
Max working temperature / <b>Maximální teplota použití</b> / Temperatura max di esercizio	+ 50°C
Duty cycle / <b>Čas zapnutí</b> / Inserimento	ED 100%



CONNECTORS 22 mm  
**KONEKTORY 22 mm**  
**CONNETTORI 22 mm**

CODE  
**AR40696**

Cable diameter / **Průměr kabelu** / Diametro cavo  
 6÷8 mm (22mm)  
 8÷11mm (30mm)



CONNECTORS 30 mm  
**KONEKTORY 30 mm**  
**CONNETTORI 30 mm**

CODE  
**VX0027**

Cable diameter / **Průměr kabelu** / Diametro cavo  
 6÷8 mm (22mm)  
 8÷11mm (30mm)



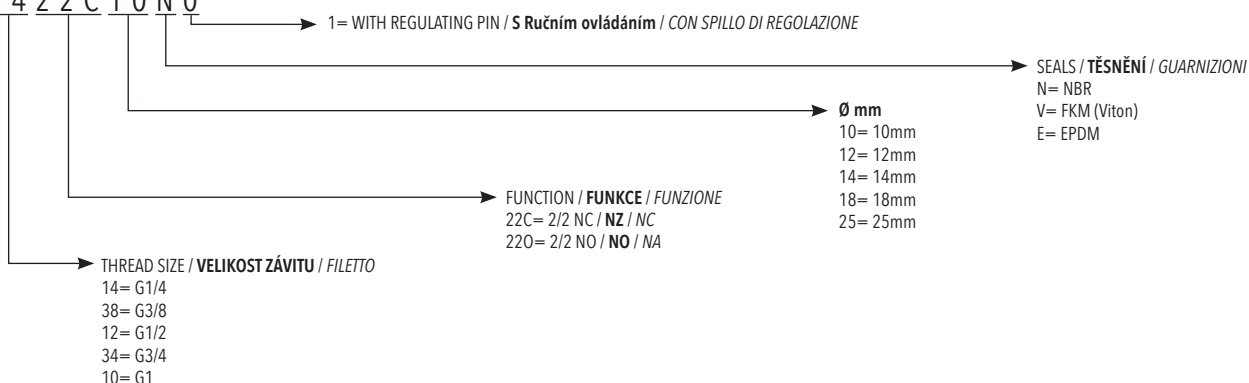
VQ indirect electrovalves, are particularly suitable to control water, air, inert gas, steam and for all fluids in general (not aggressive).  
The extremely compact brass body, gives to them the possibility to be used in very small places.  
They're available in different versions as 2/2, 3/2 NC and NO and with NBR, Viton or EPDM seals.

**NEPŘÍMO OVLÁDANÉ elektro magnetické ventily VQ jsou zvláště vhodné pro ovládání vody, vzduchu, inertního plynu, páry a pro všechny tekutiny obecně (neagresivní).  
Extrémně kompaktní mosazné tělo jim dává možnost použití na velmi malých místech.  
Jsou k dispozici v různých verzích jako 2/2, 3/2 NC a NO a s těsněním NBR, Viton nebo EPDM.**

*Le elettrovalvole della serie VQ a comando indiretto sono particolarmente indicate per il controllo di acqua, aria, gas inerti, vapore e in generale di fluidi non aggressivi.  
Il corpo in ottone estremamente compatto ne permettono l'utilizzo in spazi molto ristretti.  
Sono disponibili diverse versioni tra cui 2/2 e 3/2 NC e NA e guarnizioni in NBR, Viton e EPDM.*

## ORDERING CODE / OBJEDNÁVKOVÝ KÓD / CHIAVE DI CODIFICA

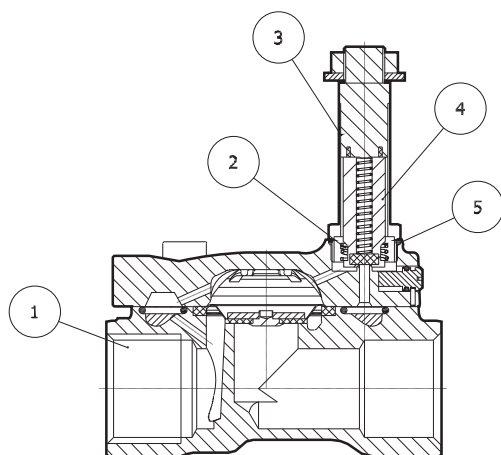
V Q 1 1 4 2 2 C 1 0 N O



## TECHNICAL CHARACTERISTICS / TECHNICKÁ DATA / CARATTERISTICHE TECNICHE

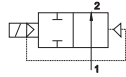
Max. allowable pressure / Maximální pracovní tlak / Pressione massima ammissibile	25 bar		
Temperature range / Provozní teplota / Temperatura di utilizzo	NBR	-10°C / +90°C	Air, inert gas, water max 75 °C, mineral oils, gas oil, fuel oils <b>Vzduch, neutrální plyny, voda max. 75 °C, minerální oleje, nafta, topný olej</b> <i>Aria, gas inerti, acqua max 75 °C, oli minerali, gasolio, oli combustibili</i>
	FKM	-10°C / +140°C	Mineral oils, gasoline, gas oil, fuel oils <b>Minerální oleje, benzín, topný olej</b> <i>Oli minerali, benzina, oli combustibili</i>
	EPDM	-10°C / +140°C	Hot water, steam (max pressure 2.5 bar) <b>Horká voda, pára (maximální pracovní tlak 2,5 bar)</b> <i>Acqua calda, vapore (pressione max 2.5 bar)</i>

## COMPONENTS / KOMPONENTY / COMPONENTI

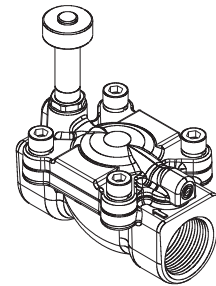
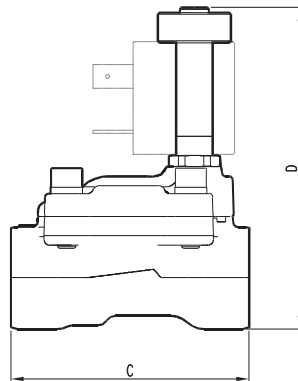
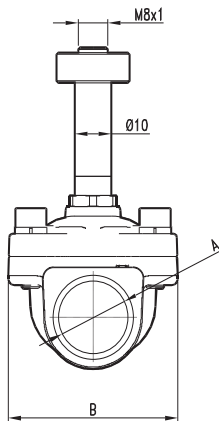


DESCRIPTION / POPIS / DESCRIZIONE	MATERIAL / MATERIÁL / MATERIALE
1 Body / Tělo / Corpo	Brass / mosaz / Ottone
2 Springs / Pružina / Molle	Stainless Steel / Nerezová ocel / Acciaio inox
3 Armature tube / Pilotní trubice / Tubo guida	Stainless Steel / Nerezová ocel / Acciaio inox
4 Core / Jádno / Nucleo	Stainless Steel / Nerezová ocel / Acciaio inox
5 Seals / Těsnění / Guarnizioni	NBR - EPDM - FKM

2/2 NO / NO / NA



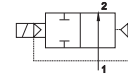
Code Code Codice	Seals Těsnění Guarnizioni	Thread size Závit Filetto	Ø mm	Viscosity (Max cSt) Viskozita (Max cSt) Viscosità (Max cSt)	Kv m³/h	Power / Napájení Potenza		ΔP [bar]	
						DC W	AC VA	min	max
VQI1422010N	NBR	1/4	10	25	1.88	8	-	0.15	9.5
VQI1422010V	FKM					-	7.5	0.15	9.5
VQI1422010E	EPDM					-	11	0.15	9.5
VQI3822012N	NBR	3/8	12	25	2.90	8	-	0.15	9.5
VQI3822012V	FKM					-	7.5	0.15	9.5
VQI3822012E	EPDM					-	11	0.15	9.5
VQI3822014N	NBR	3/8	14	25	3.32	8	-	0.15	9.5
VQI3822014V	FKM					-	7.5	0.15	9.5
VQI3822014E	EPDM					-	11	0.15	9.5
VQI1222012N	NBR	1/2	12	25	3.03	8	-	0.15	9.5
VQI1222012V	FKM					-	7.5	0.15	9.5
VQI1222012E	EPDM					-	11	0.15	9.5
VQI1222014N	NBR	1/2	14	25	3.53	8	-	0.15	9.5
VQI1222014V	FKM					-	7.5	0.15	9.5
VQI1222014E	EPDM					-	11	0.15	9.5
VQI3422018N	NBR	3/4	18	25	5.56	8	-	0.15	9.5
VQI3422018V	FKM					-	7.5	0.15	9.5
VQI3422018E	EPDM					-	11	0.15	9.5
VQI1022025N	NBR	1	25	25	10.97	8	-	0.15	9.5
VQI1022025V	FKM					-	7.5	0.15	9.5
VQI1022025E	EPDM					-	11	0.15	9.5



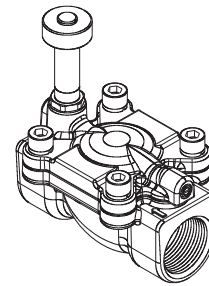
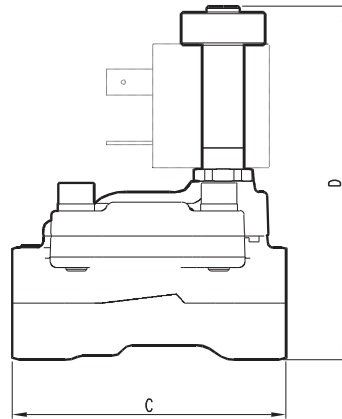
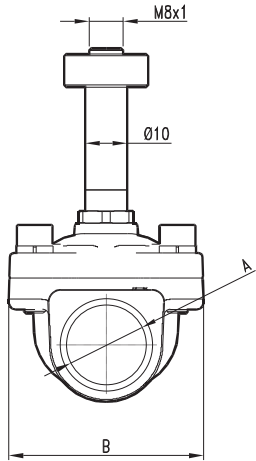
Size / Velikost / Taglia	A	B	C	D
1/4"	G 1/4	35.2	55.5	76.6
3/8"	G 3/8	46.4	65.3	84.2
1/2"	G 1/2	46.4	65.3	84.2
3/4"	G 3/4	56.7	81	95
1"	G 1	65	95	101.1



2/2 NO WITH MANUAL OVERRIDE AND REGULATING PIN / 2/2 NO S RUČNÍM OVLÁDÁNÍM A REGULACE PINU  
 2/2 NA CON COMANDO MANUALE E SPILLO DI REGOLAZIONE

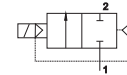


Code Code Codice	Seals Těsnění Guarnizioni	Thread size Závit Filetto	Ø mm	Viscosity (Max cSt) Viskozita (Max cSt) Viscosità (Max cSt)	Kv m³/h	Power / Napájení Potenza		ΔP [bar]	
						DC W	AC VA	min	max
VQI3422018N1	NBR	3/4	18	25	5.56	8	-	0.15	9.5
VQI3422018V1	FKM					-	7.5	0.15	9.5
VQI3422018E1	EPDM					-	11	0.15	9.5
VQI1022025N1	NBR	1	25	25	10.97	8	-	0.15	9.5
VQI1022025V1	FKM					-	7.5	0.15	9.5
VQI1022025E1	EPDM					-	11	0.15	9.5

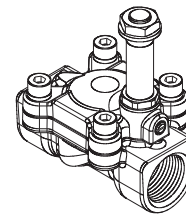
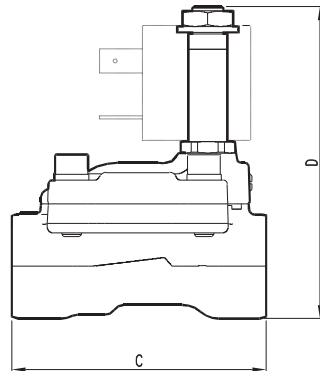
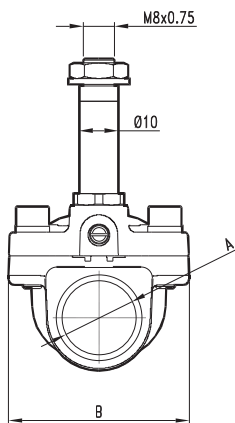


Size / Velikost / Taglia	A	B	C	D
1/4"	G 1/4	35.2	55.5	76.6
3/8"	G 3/8	46.4	65.3	84.2
1/2"	G 1/2	46.4	65.3	84.2
3/4"	G 3/4	56.7	81	95
1"	G 1	65	95	101.1

2/2 NC WITH MANUAL OVERRIG / 2/2 NZ S RUČNÍM OVLÁDÁNÍM / 2/2 NC CON COMANDO MANUALE

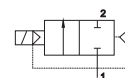


Code Code Codice	Seals Těsnění Guarnizioni	Thread size Závit Filetto	Ø mm	Viscosity (Max cSt) Viskozita (Max cSt) Viscosità (Max cSt)	Kv m³/h	Power / Napájení Potenza		ΔP [bar]	
						DC W	AC VA	min	max
VQI1422C10N	NBR	1/4	10	25	1.88	6.5	-	0.15	11.2
VQI1422C10V	FKM					8	-	0.15	25
VQI1422C10E	EPDM					-	7.5	0.15	13.8
VQI1422C12N	NBR	3/8	12	25	2.90	6.5	-	0.15	11.2
VQI3822C12V	FKM					8	-	0.15	25
VQI3822C12E	EPDM					-	7.5	0.15	13.8
VQI3822C14N	NBR	3/8	14	25	3.32	6.5	-	0.15	11.2
VQI3822C14V	FKM					8	-	0.15	25
VQI3822C14E	EPDM					-	7.5	0.15	13.8
VQI1222C12N	NBR	1/2	12	25	3.03	6.5	-	0.15	11.2
VQI1222C12V	FKM					8	-	0.15	25
VQI1222C12E	EPDM					-	7.5	0.15	13.8
VQI1222C14N	NBR	1/2	14	25	3.53	6.5	-	0.15	11.2
VQI1222C14V	FKM					8	-	0.15	25
VQI1222C14E	EPDM					-	7.5	0.15	13.8
VQI3422C18N	NBR	3/4	18	25	5.56	6.5	-	0.15	11.2
VQI3422C18V	FKM					8	-	0.15	25
VQI3422C18E	EPDM					-	7.5	0.15	13.8
VQI1022C25N	NBR	1	25	25	10.97	6.5	-	0.15	11.2
VQI1022C25V	FKM					8	-	0.15	25
VQI1022C25E	EPDM					-	7.5	0.15	13.8

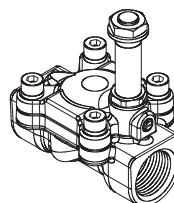
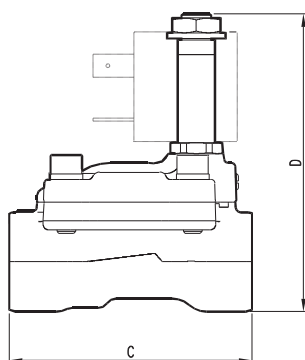
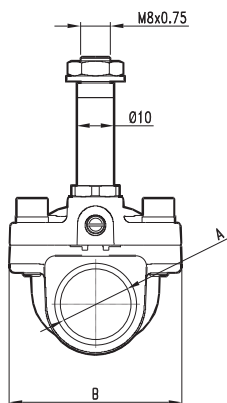


Size / Velikost / Taglia	A	B	C	D
1/4"	G 1/4	35.2	55.5	72.5
3/8"	G 3/8	46.4	65.3	80.1
1/2"	G 1/2	46.4	65.3	80.1
3/4"	G 3/4	56.7	81	90.9
1"	G 1	65	95	97

2/2 NC WITH MANUAL OVERRIDE AND REGULATING PIN / 2/2 NZ S RUČNÍM OVLÁDÁNÍM A NASTAVENÍM PIN  
 2/2 NC CON COMANDO MANUALE E SPILLO DI REGOLAZIONE



Code Code Codice	Seals Těsnění Guarnizioni	Thread size Závit Filetto	Ø mm	Viscosity (Max cSt) Viskozita (Max cSt) Viscosità (Max cSt)	Kv m³/h	Power / Napájení Potenza		ΔP [bar]	
						DC W	AC VA	min	max
VQI3422C18N1	NBR	3/4	18	25	5.56	6.5	-	0.15	11.2
VQI3422C18V1	FKM					8	-	0.15	25
VQI3422C18E1	EPDM					-	7.5	0.15	13.8
VQI1022C25N1	NBR	1	25	25	10.97	6.5	-	0.15	11.2
VQI1022C25V1	FKM					8	-	0.15	25
VQI1022C25E1	EPDM					-	7.5	0.15	13.8
						-	11	0.15	25

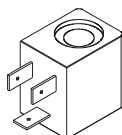
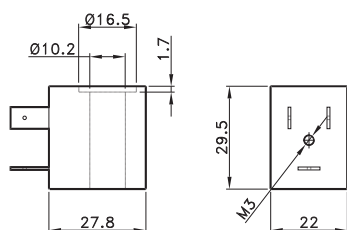


Size / Velikost / Taglia	A	B	C	D
1/4"	G 1/4	35.2	55.5	72.5
3/8"	G 3/8	46.4	65.3	80.1
1/2"	G 1/2	46.4	65.3	80.1
3/4"	G 3/4	56.7	81	90.9
1"	G 1	65	95	97

**KIT REPAIR SEALS**  
**SADA TĚSNĚNÍ**  
**KIT RIPARAZIONE GUARNIZIONI**



CODE	Seals Těsnění Guarnizioni	Size Velikost Taglia
KZ642200	NBR	1/4
KZ643200	FKM	1/4
KZ645200	EPDM	1/4
KZ642312	NBR	3/8 - 1/2 Ø12
KZ643312	FKM	3/8 - 1/2 Ø12
KZ645312	EPDM	3/8 - 1/2 Ø12
KZ642314	NBR	3/8 - 1/2 Ø14
KZ643314	FKM	3/8 - 1/2 Ø14
KZ645314	EPDM	3/8 - 1/2 Ø14
KZ642400	NBR	3/4
KZ643400	FKM	3/4
KZ645400	EPDM	3/4
KZ642500	NBR	1"
KZ643500	FKM	1"
KZ645500	EPDM	1"

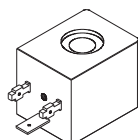
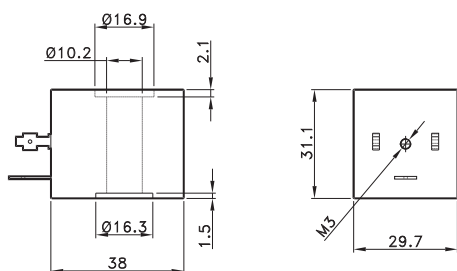


COILS 22 mm  
**CÍVKY 22 mm**  
 BOBINE 22 mm

CODE	Power / Vstřebávání / Assorbimento	
	Tension Napětí Tensione	Power Napájení Potenza
<b>BO4051012</b>	12 V DC	6,5 W
<b>BO4051024</b>	24 V DC	6,5 W
<b>BO4052024</b>	24 V AC	7,5 VA
<b>BO4052110</b>	110 V AC	7,5 VA
<b>BO4052220</b>	220 V AC	7,5 VA

TECHNICAL SPECIFICATIONS  
**TECHNICKÁ DATA**  
 CARATTERISTICHE TECNICHE

Tension tolerance / <b>Tolerance napětí</b> / Tolleranza di tensione	+10%
Protection with connector / <b>Ochrana konektorem</b> / Protezione con connettore	IP65
Max working temperature / <b>Maximální teplota použití</b> / Temperatura max di esercizio	+ 50°C
Duty cycle / <b>Čas zapnutí</b> / Inserimento	ED 100%

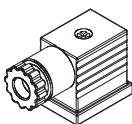
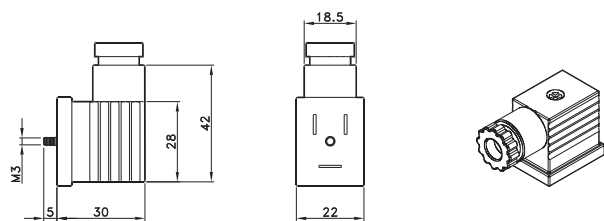


COILS 30 mm  
**CÍVKY 30 mm**  
 BOBINE 30 mm

CODE	Power / Vstřebávání / Assorbimento	
	Tension Napětí Tensione	Power Napájení Potenza
<b>BO4061012</b>	12 V DC	8 W
<b>BO4061024</b>	24 V DC	8 W
<b>BO4062024</b>	24 V AC	11 VA
<b>BO4062110</b>	110 V AC	11 VA
<b>BO4062220</b>	220 V AC	11 VA

TECHNICAL SPECIFICATIONS  
**TECHNICKÁ DATA**  
 CARATTERISTICHE TECNICHE

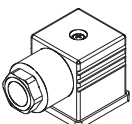
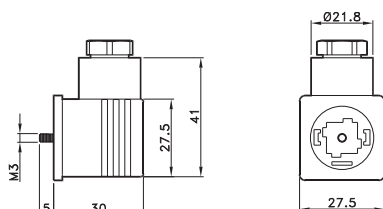
Tension tolerance / <b>Tolerance napětí</b> / Tolleranza di tensione	+10%
Protection with connector / <b>Ochrana konektorem</b> / Protezione con connettore	IP65
Max working temperature / <b>Maximální teplota použití</b> / Temperatura max di esercizio	+ 50°C
Duty cycle / <b>Čas zapnutí</b> / Inserimento	ED 100%



CONNECTORS 22 mm  
**KONEKTORY 22 mm**  
 CONNETTORI 22 mm

CODE  
**AR40696**

Cable diameter / **Průměr kabelu** / Diametro cavo  
 6÷8 mm (22mm)  
 8÷11mm (30mm)



CONNECTORS 30 mm  
**KONEKTORY 30 mm**  
 CONNETTORI 30 mm

CODE  
**VX0027**

Cable diameter / **Průměr kabelu** / Diametro cavo  
 6÷8 mm (22mm)  
 8÷11mm (30mm)



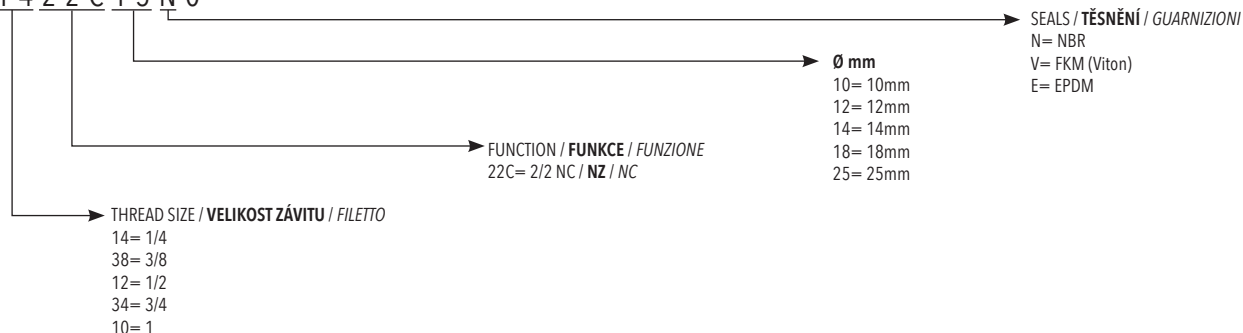
VQ membrane electrovalves, are particularly suitable to control water, air, inert gas, steam and for all fluids in general (not aggressive). The extremely compact brass body, gives to them the possibility to be used in very small places. They're available in different versions as 2/2, 3/2 NC and NO and with NBR, Viton or EPDM seals.

**Membránové el.mag. ventily VQ jsou zvláště vhodné pro regulaci vody, vzduchu, inertního plynu, páry a pro všechny tekutiny obecně (ne agresivní). Extrémně kompaktní mosazné tělo jim dává možnost použití na velmi malých místech. Jsou k dispozici v různých verzích jako 2/2, 3/2 NC a NO as těsněním NBR, Viton nebo EPDM.**

*Le elettrovalvole della serie VQ a membrana sono particolarmente indicate per il controllo di acqua, aria, gas inerti, vapore e in generale di fluidi aggressivi. Il corpo in ottone estremamente compatto ne permettono l'utilizzo in spazi molto ristretti. Sono disponibili diverse versioni tra cui 2/2 NC con guarnizioni in NBR, Viton e EPDM.*

ORDERING CODE / OBJEDNÁVKOVÝ KÓD / CHIAVE DI CODIFICA

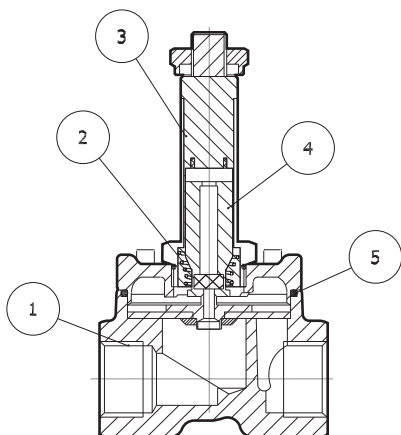
V Q M 1 4 2 2 C 1 5 N 0



TECHNICAL CHARACTERISTICS / TECHNICKÁ DATA / CARATTERISTICHE TECNICHE

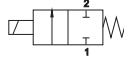
Max. allowable pressure / Maximální pracovní tlak / Pressione massima ammissibile	25 bar	
Temperature range / Provozní teplota / Temperatura di utilizzo	NBR	-10°C / +90°C Air, inert gas, water max 75 °C, mineral oils, gas oil, fuel oils <b>Vzduch, neutrální plyny, voda max. 75 °C, minerální oleje, nafta, topný olej</b> <i>Aria, gas inerti, acqua max 75 °C, oli minerali, gasolio, oli combustibili</i>
	FKM	-10°C / +140°C Mineral oils, gasoline, gas oil, fuel oils <b>Minerální oleje, benzín, topný olej</b> <i>Oli minerali, benzina, oli combustibili</i>
	EPDM	-10°C / +140°C Hot water, steam (max pressure 2.5 bar) <b>Horká voda, pára (maximální pracovní tlak 2,5 bar)</b> <i>Acqua calda, vapore (pressione max 2.5 bar)</i>

COMPONENTS / KOMPONENTY / COMPONENTI



DESCRIPTION / POPIS / DESCRIZIONE	MATERIAL / MATERIÁL / MATERIALE
1 Body / Tělo / Corpo	Brass / mosaz / Ottone
2 Springs / Pružina / Molle	Stainless Steel / Nerezová ocel / Acciaio inox
3 Armature tube / Pilot / Tubo guida	Stainless Steel / Nerezová ocel / Acciaio inox
4 Core / Jádno / Nucleo	Stainless Steel / Nerezová ocel / Acciaio inox
5 Seals / Těsnění / Guarnizioni	NBR - EPDM - FKM

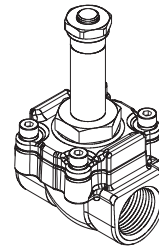
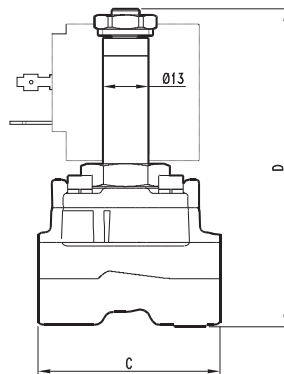
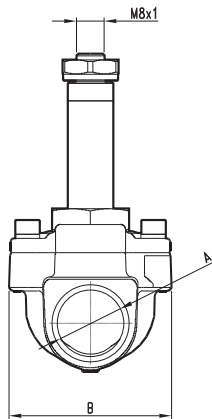
2/2 NC / NZ / NC



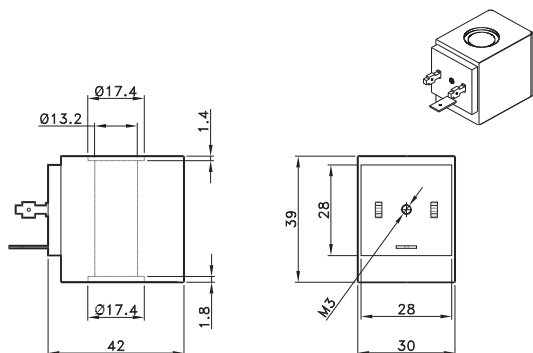
Code Code Codice	Seals Těsnění Guarnizioni	Thread size Závit Filetto	Ø mm	Viscosity (Max cSt) Viskozita (Max cSt) Viscosità (Max cSt)	Kv m³/h	Power / Napájení Potenza		ΔP [bar]	
						DC W	AC VA	min	max
VQM1422C10N	NBR	1/4	10	25	1.58	14	-	0	12.2
VQM1422C10V	FKM					22	-	0	14.1
VQM1422C10E	EPDM					-	14	0	6.3
VQM3822C12N	NBR	3/8	12	25	2.34	-	21	0	13.2
VQM3822C12V	FKM					-	31	0	13.8
VQM3822C12E	EPDM					14	-	0	12.2
VQM3822C14N	NBR	3/8	14	25	2.73	22	-	0	14.1
VQM3822C14V	FKM					-	14	0	6.3
VQM3822C14E	EPDM					-	21	0	13.2
VQM1222C12N	NBR	1/2	12	25	2.36	-	31	0	13.8
VQM1222C12V	FKM					14	-	0	12.2
VQM1222C12E	EPDM					22	-	0	14.1
VQM1222C14N	NBR	1/2	14	25	2.75	-	14	0	6.3
VQM1222C14V	FKM					-	21	0	13.2
VQM1222C14E	EPDM					-	31	0	13.8
VQM3422C18N	NBR	3/4	18	25	4.08	14	-	0	8.3
VQM3422C18V	FKM					22	-	0	12.2
VQM3422C18E	EPDM					-	14	0	5.1
VQM1022C25N	NBR	1	25	25	6.63	-	21	0	9.8
VQM1022C25V	FKM					-	31	0	10.6
VQM1022C25E	EPDM					14	-	0	8.3
						22	-	0	12.2
						-	14	0	5.1
						-	21	0	9.8
						-	31	0	10.6

Valves / Ventily / Valvole

MEMBRANE SOLENOID VALVES / MEMBRÁNOVÉ ELEKTRICKÉ VENTILY / ELETTROVALVOLE A MEMBRANA



Size / Velikost / Taglia	A	B	C	D
1/4"	G 1/4	40	44	83.7
3/8"	G 3/8	46.5	52	90.8
1/2"	G 1/2	46.5	52	90.8
3/4"	G 3/4	56.5	61.9	96.5
1"	G 1	66	72.5	104.7

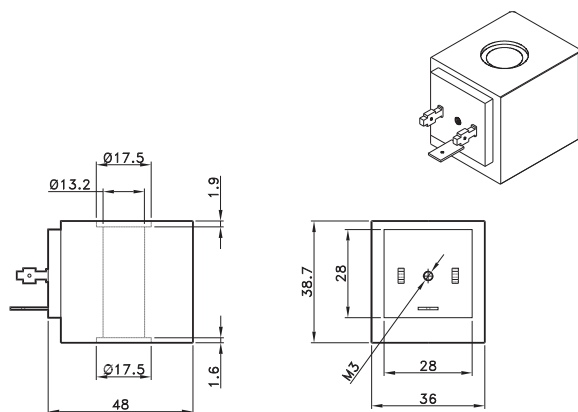


COILS 30 mm WITH HOLE 13mm  
**30mm CÍVKA S 13mm DÍRKOU**  
BOBINE 30 mm CON FORO 13mm

CODE	Tension	Power
	<b>Napětí</b> <i>Tensione</i>	<b>Napájení</b> <i>Potenza</i>
<b>BO4031012</b>	12 V DC	14 W
<b>BO4031024</b>	24 V DC	14 W
<b>BO4032024</b>	24 V AC	14 VA
<b>BO4032110</b>	110 VAC	14 VA
<b>BO4032220</b>	220 VAC	14 VA

TECHNICAL SPECIFICATIONS  
**TECHNICKÁ DATA**  
CARATTERISTICHE TECNICHE

Tension tolerance / <b>Tolerance napětí</b> / Tolleranza di tensione	+10%
Protection with connector / <b>Ochrana konektorem</b> / Protezione con connettore	IP65
Max working temperature / <b>Maximální teplota použití</b> / Temperatura max di esercizio	+ 50°C
Duty cycle / <b>Čas zapnutí</b> / Inserimento	ED 100%

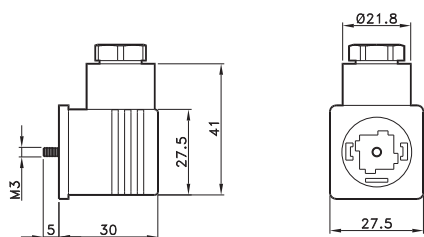


COILS 36 mm WITH HOLE 13mm  
**36mm CÍVKA S 13mm DÍRKOU**  
BOBINE 36 mm CON FORO 13mm

CODE	Tension	Power
	<b>Napětí</b> <i>Tensione</i>	<b>Napájení</b> <i>Potenza</i>
<b>BO4041012</b>	12 V DC	22 W
<b>BO4041024</b>	24 V DC	22 W
<b>BO4042024</b>	24 V AC	31 VA
<b>BO4042110</b>	110 VAC	31 VA
<b>BO4042220</b>	220 VAC	31 VA

TECHNICAL SPECIFICATIONS  
**TECHNICKÁ DATA**  
CARATTERISTICHE TECNICHE

Tension tolerance / <b>Tolerance napětí</b> / Tolleranza di tensione	+10%
Protection with connector / <b>Ochrana konektorem</b> / Protezione con connettore	IP65
Max working temperature / <b>Maximální teplota použití</b> / Temperatura max di esercizio	+ 50°C
Duty cycle / <b>Čas zapnutí</b> / Inserimento	ED 100%



CONNECTORS 30 mm  
**KONEKTORY 30 mm**  
CONNETTORI 30 mm

CODE  
**VX0027**

Cable diameter / **Diamètre du cable** / Diametro cavo  
6÷8 mm (22mm)  
8÷11mm (30mm)



KIT REPAIR SEALS  
**SADA OPRAVY TĚSNĚNÍ**  
KIT RIPARAZIONE GUARNIZIONI

CODE	Seals	Size	CODE	Seals	Size
	<b>Těsnění</b> <i>Guarnizioni</i>	<b>Velikost</b> <i>Taglia</i>		<b>Těsnění</b> <i>Guarnizioni</i>	<b>Velikost</b> <i>Taglia</i>
<b>KZ652200</b>	NBR	1/4	<b>KZ652400</b>	NBR	3/4
<b>KZ653200</b>	FKM	1/4	<b>KZ653400</b>	FKM	3/4
<b>KZ655200</b>	EPDM	1/4	<b>KZ655400</b>	EPDM	3/4
<b>KZ652300</b>	NBR	3/8 - 1/2	<b>KZ652500</b>	NBR	1"
<b>KZ653300</b>	FKM	3/8 - 1/2	<b>KZ653500</b>	FKM	1"
<b>KZ655300</b>	EPDM	3/8 - 1/2	<b>KZ655500</b>	EPDM	1"



The drain exhaust valve model VQS is needed to keep all different equipments used for the compressed air treatment, in an optimal status.  
Electric and timed, it can be programmed to discharge the drain in a specific time interval, with the aim to maintain the best functioning conditions of the system.  
Its functioning is automatic and requires less compressed air during the exhaust process.

**Odpouštěč kondenzátu s časovačem VQS je nutný k udržení optimálního stavu všech různých zařízení používaných pro úpravu stlačeného vzduchu.  
Elektrické časování, může být naprogramováno tak, aby vypouštělo odpadní vodu v určitém časovém intervalu, s cílem udržet nejlepší funkční podmínky systému.  
Jeho funkce je automatická a vyžaduje méně stlačeného vzduchu během procesu odpouštění.**

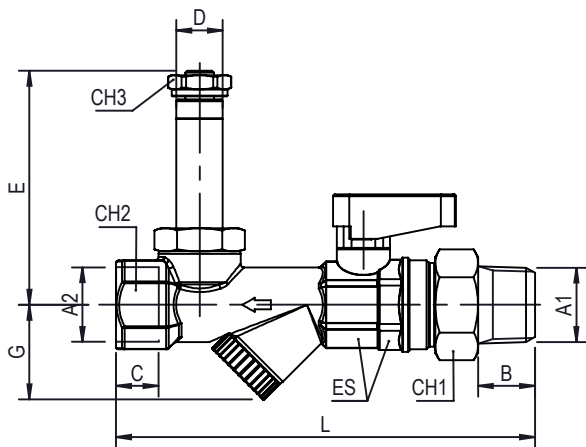
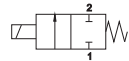
*La valvola di scarico di condensa modello VQS serve per mantenere in uno stato ottimale tutte le attrezzature utilizzate per il trattamento dell'aria compressa.  
Elettrica e temporizzata, può essere programmata per scaricare la condensa in uno specifico intervallo temporale, al fine mantenere le migliori condizioni di utilizzo.  
Il suo funzionamento è automatico e consuma meno aria compressa quando scarica la condensa.*

## TECHNICAL DATA / TECHNICKÁ DATA / DATI TECNICI

Maximum allowable pressure / Maximální pracovní tlak / Pressione massima ammissibile 16 bar  
Temperature range / Provozní teplota / Temperatura di esercizio -10°C / +80°C

Code Code Codice	Seals Těsnění Guarnizioni	Thread size Závit Filetto	Ø mm	Viscosity (Max cSt) Viskozita (Max cSt) Viscosità (Max cSt)	Kv m³/h	Power / Napájení Potenza		ΔP [bar]	
						DC (W)	AC (VA)	min	max
VQS1122C30N VQS1222C30N	NBR	3/8 - 1/2 1/2 - 1/2	3	53	0.21	8	-	0	11.4
						14	-	0	15.1
						22	-	0	20
						-	14	0	10.6
						-	21	0	17.1
-	31	0	24.1						

2/2 NC / NZ / NC



CODE	A1	A2	B	C	D	CH1	CH2	CH3	L	E	ES	G
VQS1122C30N	3/8	1/2	11.5	12	13	27	25	16	113.5	65.5	22-23	26.5
VQS1222C30N	1/2	1/2	16	12	13	27	25	16	117.5	65.5	22-23	26.5

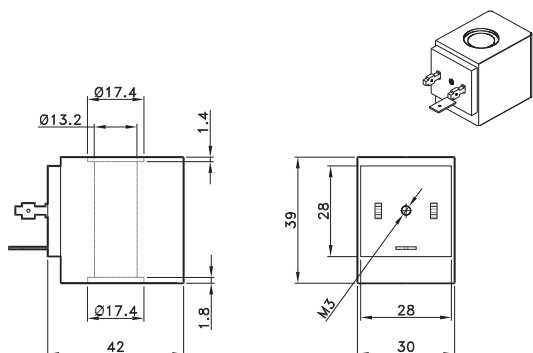
ANALOGUE TIMER  
ANALOGOVÝ ČASOVAČ  
TEMPORIZZATORE ANALOGICO

- 24 - 240VAC/DC 50/60Hz
- IP65 - EN6052
- 1 A Max
- 0,5 - 10 Sec. ON
- 0,5 - 45 Min. OFF
- Reset/Test



CODE  
TZ2400



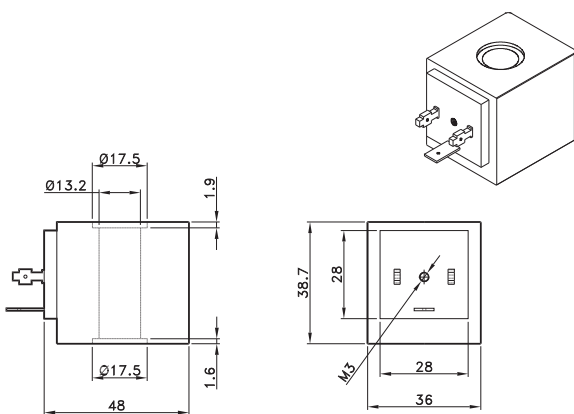


COILS 30 mm WITH HOLE 13mm  
**30mm CÍVKA S 13mm DÍRKOU**  
 BOBINE 30 mm CON FORO 13mm

CODE	Power / <b>Vstřebávání</b> / Assorbimento	
	Tension <b>Napětí</b> Tensione	Power <b>Napájení</b> Potenza
<b>BO4031012</b>	12 V DC	14 W
<b>BO4031024</b>	24 V DC	14 W
<b>BO4032024</b>	24 V AC	14 VA
<b>BO4032110</b>	110 V AC	14 VA
<b>BO4032220</b>	220 V AC	14 VA

TECHNICAL SPECIFICATIONS  
**TECHNICKÁ DATA**  
 CARATTERISTICHE TECNICHE

Tension tolerance / <b>Tolerance napětí</b> / Tolleranza di tensione	+10%
Protection with connector / <b>Ochrana konektorem</b> / Protezione con connettore	IP65
Max working temperature / <b>Maximální teplota použití</b> / Temperatura max di esercizio	+ 50°C
Duty cycle / <b>Čas zapnutí</b> / Inserimento	ED 100%

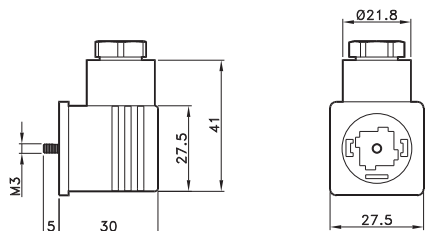


COILS 36 mm WITH HOLE 13mm  
**36mm CÍVKA S 13mm DÍRKOU**  
 BOBINE 36 mm CON FORO 13mm

CODE	Power / <b>Vstřebávání</b> / Assorbimento	
	Tension <b>Napětí</b> Tensione	Power <b>Napájení</b> Potenza
<b>BO4041012</b>	12 V DC	22 W
<b>BO4041024</b>	24 V DC	22 W
<b>BO4042024</b>	24 V AC	31 VA
<b>BO4042110</b>	110 V AC	31 VA
<b>BO4042220</b>	220 V AC	31 VA

TECHNICAL SPECIFICATIONS  
**TECHNICKÁ DATA**  
 CARATTERISTICHE TECNICHE

Tension tolerance / <b>Tolerance napětí</b> / Tolleranza di tensione	+10%
Protection with connector / <b>Ochrana konektorem</b> / Protezione con connettore	IP65
Max working temperature / <b>Maximální teplota použití</b> / Temperatura max di esercizio	+ 50°C
Duty cycle / <b>Čas zapnutí</b> / Inserimento	ED 100%



CONNECTORS 30 mm  
**KONEKTORY 30 mm**  
 CONNETTORI 30 mm

CODE  
**VX0027**

Cable diameter / **Průměr kabelu** / Diametro cavo  
 6÷8 mm (22mm)  
 8÷11mm (30mm)

FLUIDS / TEKUTINA / FLUIDI	BODY MATERIAL / TĚLOVÝ MATERIÁL MATERIALE CORPO		SEALS / TĚSNĚNÍ / GUARNIZIONI		
	Brass / Mosaz / Ottone	AISI316L	NBR	EPDM	FKM
Acetone / Aceton / Acetone	NO	OK	NO	OK	NO
Acetylene / Acetylen / Acetilene	OK	OK	NO	OK	OK
Argon	OK	OK	NO	OK	OK
Benzene / Benzen / Benzene	OK	OK	NO	NO	NO
Butane / Butan / Butane	OK	OK	NO	NO	OK
Carbon dioxide dry (gas) / Oxid uhličitý suchý (plyn) / Anidride carbonica (gas)	OK	OK	OK	OK	OK
Carbon dioxide dry (liquid) / Oxid uhličitý suchý (kapalina) / Anidride carbonica (liquida)	OK	OK	NO	NO	NO
Carbon disulfide / Sulfid uhličitý / Solfuro di carbonio	OK	OK	NO	NO	NO
Chloroform (100%) / Chloroform / Cloroformio	OK	OK	NO	NO	NO
Diesel fuel / Nafta	OK	OK	OK	NO	OK
Helium / Hélium / Elio	OK	OK	OK	NO	OK
Ethane / Ethane / Etano	OK	OK	OK	NO	OK
Ethanol / Ethanol / Etanolo	OK	OK	NO	NO	NO
Ethyl acetate / Ethylacetát / Acetato di etile	OK	OK	NO	NO	NO
Ethyl chloride / Ethylchlorid / Cloruro di etile	OK	OK	OK	OK	OK
Ethylene glycol / Ethylenglykol / Glicole etilenico	OK	OK	OK	OK	OK
Formaldehyde (100%) / Formaldehyd / Formaldeide	OK	OK	NO	OK	NO
Freon	OK	OK	NO	NO	NO
Glycerine / Glycerol / Glicerina	OK	OK	OK	OK	OK
Heptane / Heptan / Eptano	OK	OK	OK	NO	OK
Hexane / Hexane / Esano	OK	OK	OK	NO	OK
Hydrogen / Vodík / Idrogeno	OK	OK	OK	OK	OK
Hydrogen peroxide / Peroxid vodíku / Acqua Ossigenata	NO	OK	NO	NO	OK
Isobutane / Isobutane / Isobutano	OK	OK	OK	NO	OK
Isopentane / Isopentane / Isopentano	OK	OK	OK	NO	OK
Methane / Metan / Metano	OK	OK	OK	NO	OK
Methanol / Methanol / Metanolo	OK	OK	OK	OK	NO
Methyl chloride / Methylchlorid / Clorometano	OK	OK	NO	NO	OK
Mineral oil / Minerální olej / Olio minerale	OK	OK	OK	NO	OK
Neon	OK	OK	OK	NO	OK
Nitrobenzene / Nitrobenzen / Nitrobenzene	OK	OK	NO	NO	OK
Nitrogen / Dusík / Azoto	OK	OK	OK	OK	OK
Oxygen / Oxigen / Ossigeno	OK	OK	NO	NO	OK
Pentane / Pentane / Pentano	OK	OK	OK	NO	OK
Petrol / Benzin / Benzina	OK	OK	NO	NO	OK
Propane (LPG) / Propan (GPL) / Propano (GPL)	OK	OK	OK	NO	OK
Propyl Alcohol / Propyl Alkohol / Alcool Propilico	OK	OK	OK	OK	OK
Toluene / Toluén / Toluene	OK	OK	NO	NO	OK
Trichlorethylene dry / Trichlorethylen suchý / Trielina	NO	OK	NO	NO	OK
Vinegar / Ocet / Aceto	NO	OK	NO	OK	OK
Water demineralized / Voda demineralizovaná / Acqua demineralizzata	OK	OK	OK	OK	OK
Water (Hard) / Voda (tvrdá) / Acqua dura	OK	OK	OK	OK	OK
Water (Hot <75°C) / Voda (horká <75 ° C) / Acqua calda	OK	OK	OK	OK	OK
Water (Hot and steam <140°C) / Voda (horká a pára <140 ° C) / Vapore e acqua calda <140°	OK	OK	NO	OK	NO
Water with glycol / Voda s glykolem / Acqua con glicole	OK	OK	OK	OK	OK
Xylene / Xylen / Xilene	OK	OK	NO	NO	OK

