

ELEKTRO UPRAVLJANI VENTILI/SOLENOID ACTUATED VALVES

YMV-32-4

3/2 ventil, elektromagnetski upravljani

3/2 Position Direct Actuated Valve



Temperatura / Temperature.....max. +60°C

Pritisak / Pressure.....0 -10 bar

Protok / Flow (5 bar).....25 l / min

Preklopno vrijeme

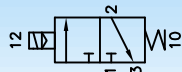
Response time.....20 ms

Radna frekvencija

Work frequency.....10 Hz

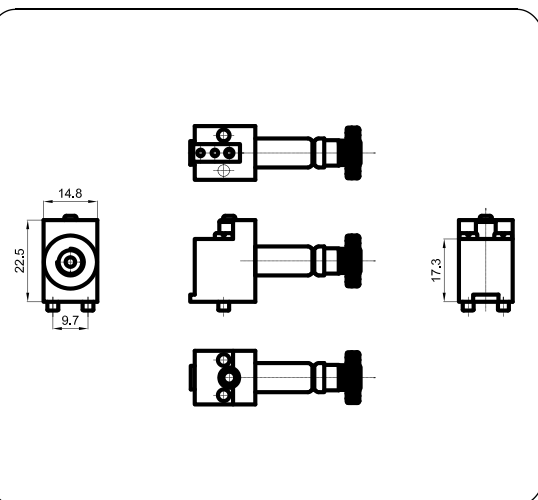
Magneti i konektori

Coils and connectors..MS15+KON15**

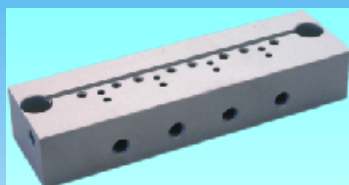
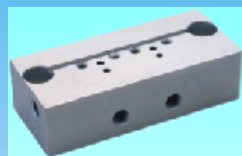


**Magnetni konektori pogledaj stranu 4.135.0,4.140.0

***Solenoid Coils and Connectors, see page 4.135.0,4.140



YP-4-2/4/6/8/10/12/14

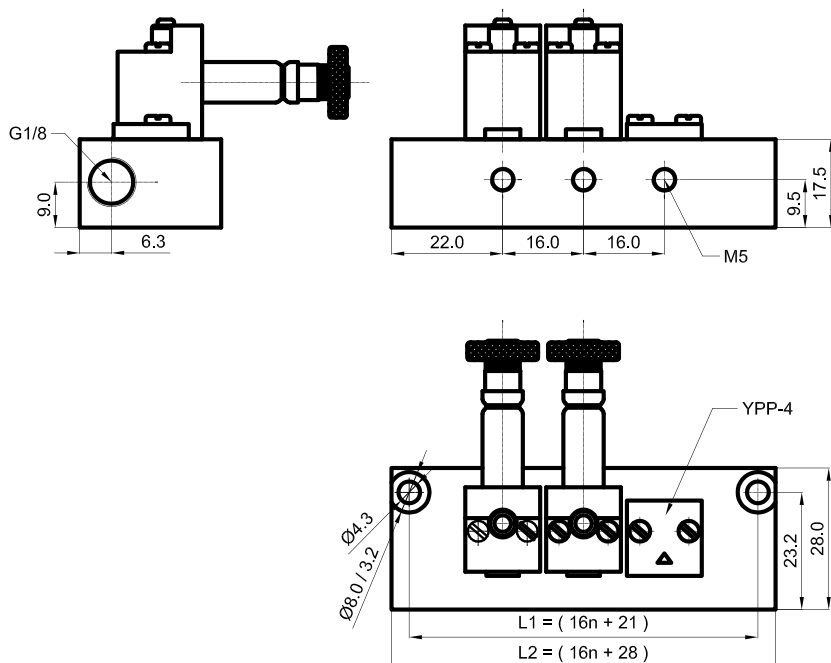


Priključna ploča za ventil YMV-32-4
Mainfold Block for YMV-32-4

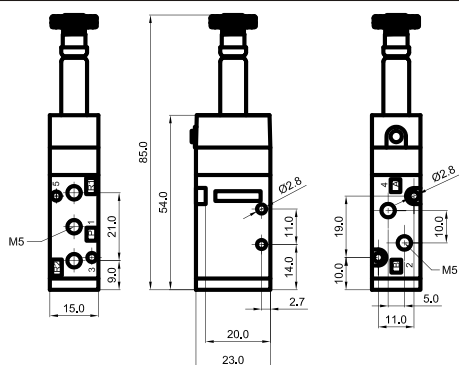
YPP-4



Zaporna ploca za YP-4
Blanking Plate for YP-4



ELEKTRO UPRAVLJANI VENTILI/SOLENOID ACTUATED VALVES



5/2 ventil, elektromagnetski upravljani

5/2 Position Solenoid Valve

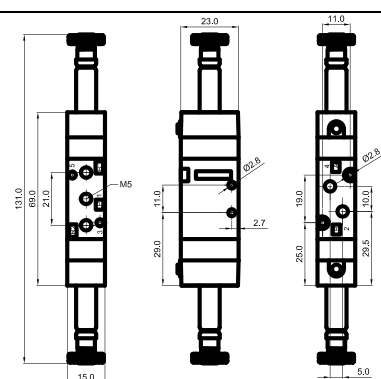
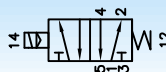
YM52M5

Temperatura / Temperature.....max. +60°C

Pritisak / Pressure.....1,5 -10 bar

Protok / Flow (5 bar).....200 l / min

Navoj / Thread.....M5



5/2 ventil, elektromagnetski upravljani

5/2 Position Solenoid Valve

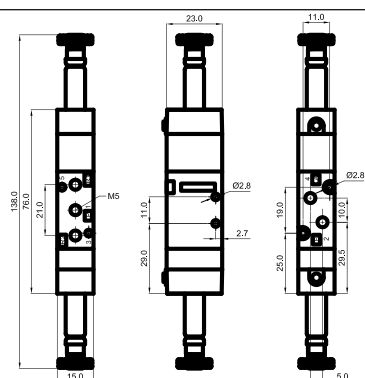
YMM52M5

Temperatura / Temperature.....max. +60°C

Pritisak / Pressure.....1,5 -10 bar

Protok / Flow (5 bar).....200 l / min

Navoj / Thread.....M5



5/3 ventil, elektromagnetski upravljani

5/3 Position Solenoid Valve

YMM53M5-G/E/B

Temperatura / Temperature.....max. +60°C

Pritisak / Pressure.....2 -10 bar

Protok / Flow (5 bar).....175 l / min

Navoj / Thread.....M5



TEHNIČKI PODACI YM52,YMM52,YMM53 /

SPECIFICATION

Medij / Fluid	Zrak, filtriran 20µm, nauljen* ili nenauljen Filtered Air 20mm, lubricated* or not
Preklopno vrijeme Response time	YM-52.....25 ms YM-53.....35 ms
Magneti i konektori Coils and Connectors	MS-15 + KON-15 MS- 2 + KON- 2 Ili/or
Materijali	Tijelo ventila/Valve body.....Aluminium Brtve/Seals.....NBR Opruga/Spring.....INOX Vreteno/Spool.....Aluminium Upravljacki dio/Pilot Parts.....Nylon



*Upotrebljavati samo ulje ISO VG 32 klasa1
*Use ISO VG Class 1 Lubricant

**Magneti i konektori pogledaj stranu 4.135.0,4.140.0

**Solenoid Coils and Connectors, see page 4.135.0,4.140.0

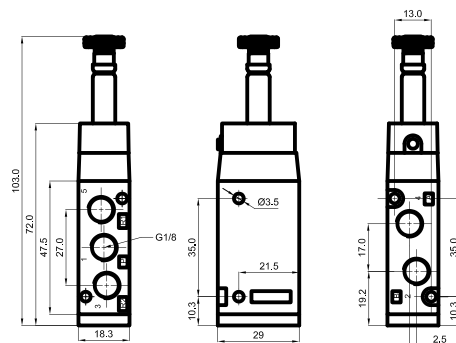
ELEKTRO UPRAVLJANI VENTILI/SOLENOID ACTUATED VALVES

YMV-5218

5/2 ventil, elektromagnetski upravljani
5/2 Position Solenoid Valve



Temperatura / Temperature.....max. +60°C
Pritisak / Pressure.....1,5 -10 bar
Protok / Flow (5 bar).....700 l / min
Navoj / Thread.....G 1/8

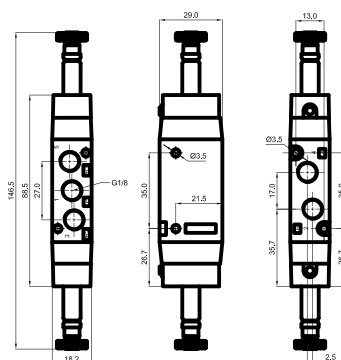


YMM-5218

5/2 ventil, elektromagnetski upravljani
5/2 Position Solenoid Valve



Temperatura / Temperature.....max. +60°C
Pritisak / Pressure.....1,5 -10 bar
Protok / Flow (5 bar).....600 l / min
Navoj / Thread.....G 1/8

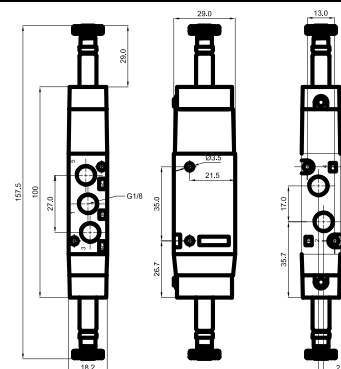
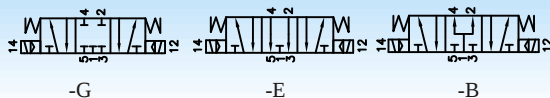


YMM-5318-G/E/B

5/3 ventil, elektromagnetski upravljani
5/3 Position Solenoid Valve



Temperatura / Temperature.....max. +60°C
Pritisak / Pressure.....2 -10 bar
Protok / Flow (5 bar).....480 l / min
Navoj / Thread.....G 1/8



TEHNICKI PODACI YMV-52,YMM-52,YMM-53 /

Medij / Fluid	Zrak, filtriran 20µm, nauljen* ili nena uljen Filtered Air 20mikron, lubricated or not
Preklopno vrijeme Response time	YM-52.....25 ms YM-53.....35 ms
Magneti i konektori Coils and Connectors	MS-15 + KON-15 Ili /or MS- 2 + KON- 2
Materijal	Tijelo ventila/Valve body.....Aluminium Brtve/Seals.....NBR Opruga/Spring.....INOX Vreteno/Spool.....Aluminium Upravljački dio/Pilot Parts.....Nylon

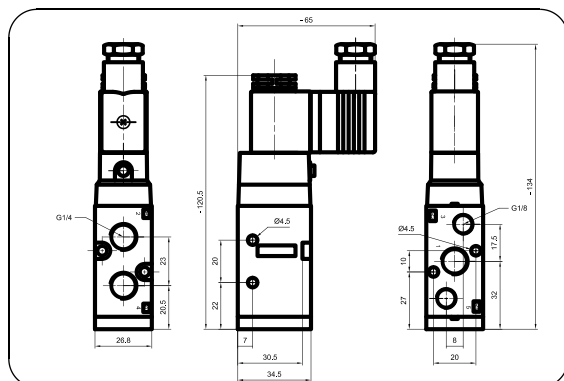


*Upotrebljavati samo ulje ISO VG 32 klasa1
*Use ISO VG Class 1 Lubricant

**Magneti i konektori pogledaj stranu 4.135.0,4.140.0

**Solenoid Coils and Connectors, see page 4.135.0,4.140.0

ELEKTRO UPRAVLJANI VENTILI/SOLENOID ACTUATED VALVES



5/2 ventil, elektromagnetski upravljani

5/2 Position Solenoid Valve

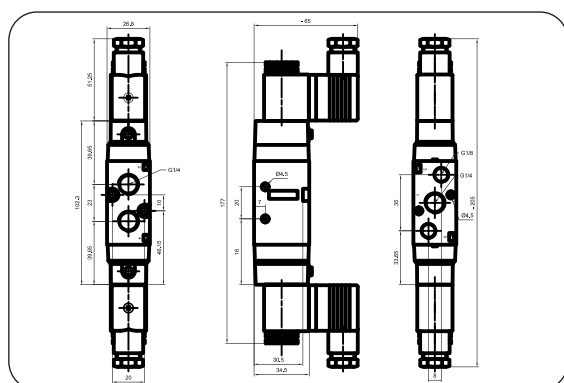
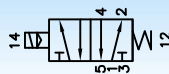
YM52-14

Temperatura / Temperature.....max. +60°C

Pritisak / Pressure.....1,5 -10 bar

Protok / Flow (5 bar).....1000 l / min

Navoj / Thread.....G 1/4



5/2 ventil, elektromagnetski upravljani

5/2 Position Solenoid Valve

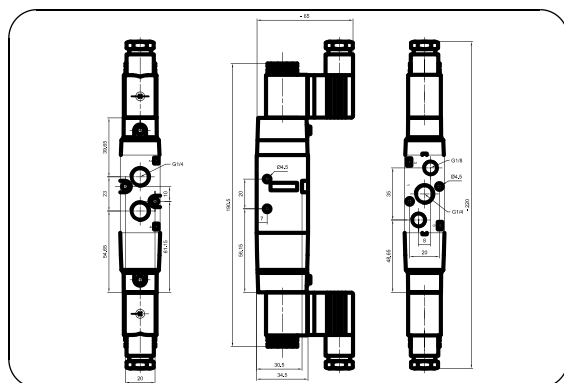
YMM52-14

Temperatura / Temperature.....max. +60°C

Pritisak / Pressure.....1,5 -10 bar

Protok / Flow (5 bar).....1000 l / min

Navoj / Thread.....G 1/4



5/3 ventil, elektromagnetski upravljani

5/3 Position Solenoid Valve

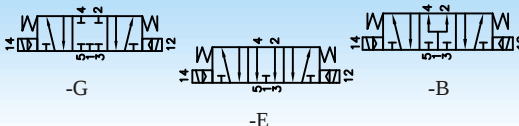
YMM53-14-G/E/B

Temperatura / Temperature.....max. +60°C

Pritisak / Pressure.....2 -10 bar

Protok / Flow (5 bar).....800 l / min

Navoj / Thread.....G 1/4



TEHNIČKI PODACI YM52, YMM52, YMM53 /



*Upotrebljavati samo ulje ISO VG 32 klasa1

*Use ISO VG Class 1 Lubricant

**Magneti i konektori pogledaj stranu 4.135.0,4.140.0

**Solenoid Coils and Connectors, see page 4.135.0,4.140.0

Medij/Fluid	Zrak, filtriran 20µm, nauljen* ili nenauljen Filtered Air 20 mikron, lubricated or not
Preklopno vrijeme	YM-52.....25ms YM-53.....35ms
Magneti i konektori	MS-22 + KON-22
Materijal	Tijelo ventila/Valve Body.....Aluminium Brtve/Seals.....NBR Opruga/Spring.....INOX Vreteno/Spool.....Aluminium Upravljacki dio/Pilot Parts....Nylon

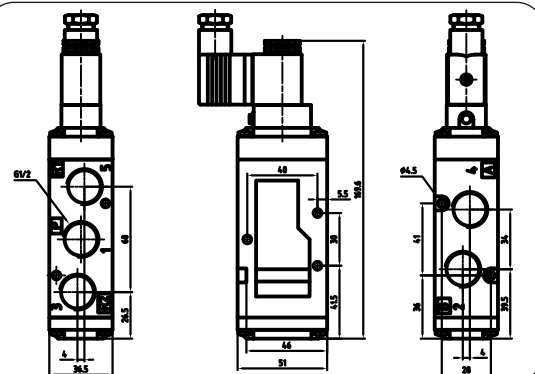
ELEKTRO UPRAVLJANI VENTILI/SOLENOID ACTUATED VALVES

YMV-5212



5/2 ventil, elektromagnetski upravljani
5/2 Position Solenoid Valve

Temperatura / Temperature.....max. +60°C
Pritisak / Pressure.....1,5 -10 bar
Protok / Flow (5 bar).....3500 l / min
Navoj / Thread.....G 1/2

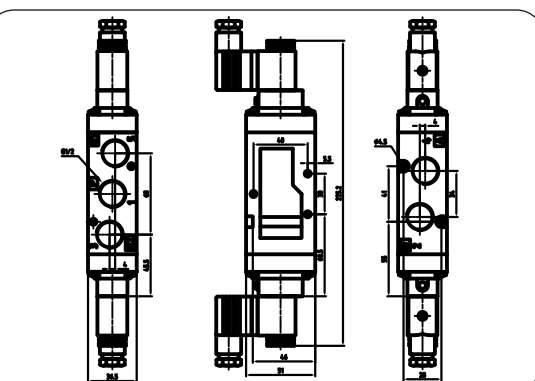


YMM-5212



5/2 ventil, elektromagnetski upravljani
5/2 Position Solenoid Valve

Temperatura / Temperature.....max. +60°C
Pritisak / Pressure.....1,5 -10 bar
Pretok / Flow (5 bar).....3500 l / min
Navoj / Thread.....G 1/2

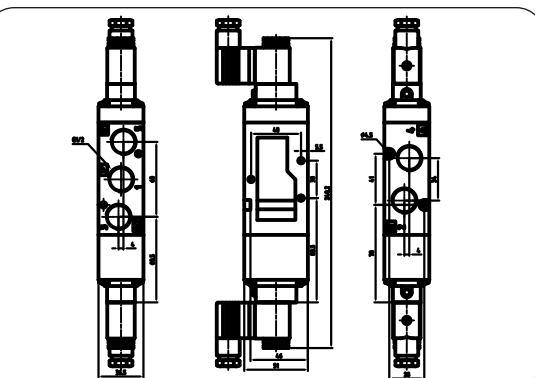
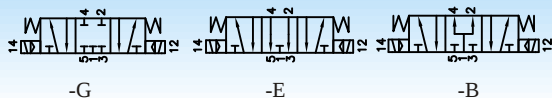


YMM-5312-G/E/B



5/3 ventil, elektromagnetski upravljani
5/3 Position Solenoid Valve

Temperatura / Temperature.....max. +60°C
Pritisak / Pressure.....2 -10 bar
Pretok / Flow (5 bar).....2400 l / min
Navoj / Thread.....G 1/2



TEHNIČKI PODACI YMV-52,YMM-52,YMM-53 /

SPECIFICATION

Medij/Fluid	Zrak, filtriran 20µm, nauljen* ili nenaualjen Filtered Air 20mikrona, lubricated or not
Preklopno vrijeme Response time	YM-52.....25ms YM-53.....35ms
Magneti i konektori Coils and Connectors	MS-22 + KON-22
Materijali	Tijelo ventila/Valve Body.....Aluminium Brtve/Seals.....NBR Opruga/Spring.....INOX Vreteno/Spool.....Aluminium Upravljački dio/Pilot Parts.....Nylon



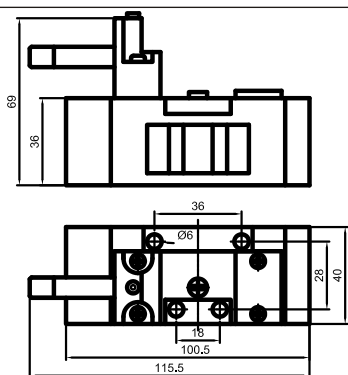
*Upotrebljavati samo ulje ISO VG 32 klasa1

*Use ISO VG Class 1 Lubricant

**Magneti i konektori pogledaj stranu 4.135.0,4.140.0

**Solenoid Coils and Connectors, see page 4.135.0,4.140.0

ELEKTRO UPRAVLJANI VENTILI-ISO/SOLENOID ACTUATED VALVES -ISO



5/2 ventil, elektromagnetski upravljani

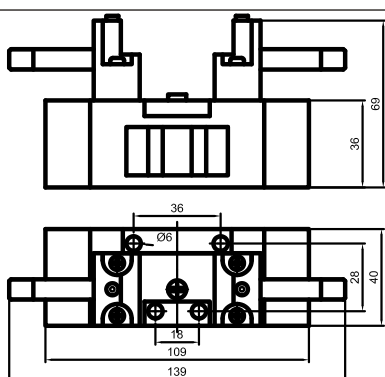
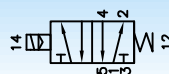
YMV-52ISO1

5/2 Position Solenoid Valve

Temperatura / Temperature.....max. +60°C

Pritisak / Pressure.....1,5 -10 bar

Protok / Flow (5 bar).....1600 l / min



5/2 ventil, elektromagnetski upravljani

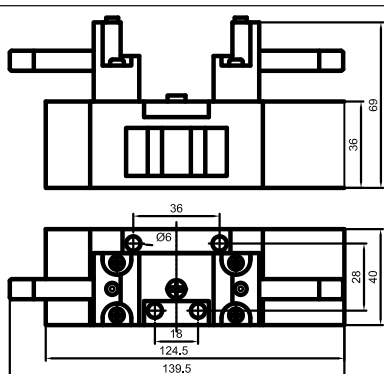
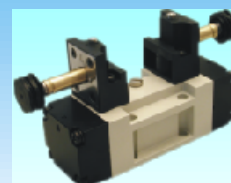
YMM-52ISO1

5/2 Position Solenoid Valve

Temperatura / Temperature.....max. +60°C

Pritisak / Pressure.....1,5 -10 bar

Protok / Flow (5 bar).....1600 l / min



5/3 ventil, elektromagnetski upravljani

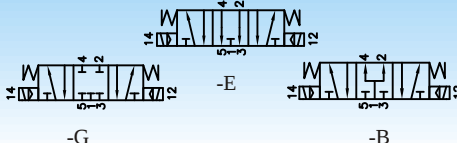
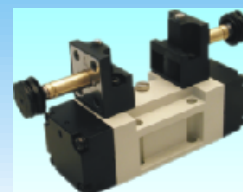
YMM-53ISO1-G/E/B

5/3 Position Solenoid Valve

Temperatura / Temperature.....max. +60°C

Pritisak / Pressure.....2 -10 bar

Protok / Flow (5 bar).....1500 l / min



TEHNIČKI PODACI YM52, YMM52, YMM53 /



*Upotrebljavati samo ulje ISO VG 32 klasa1
 *Use ISO VG Class 1 Lubricant

**Magneti i konektori pogledaj stranu 4.135.0,4.140.0

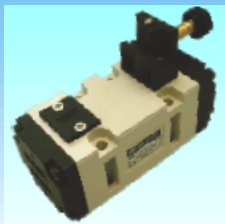
**Solenoid Coils and Connectors, see page 4.135.0,4.140.0

Medij/Fluid	Zrak, filtriran 20µm, nauljen* ili nenauljen Filtered Air 20µm, lubricated or not
Preklopno vrijeme Response time	YM-52.....25ms YM-53.....35ms
Magneti i konektori Coils and Connectors	MS-22 + KON-22
Materijal	Tijelo ventila/Valve Body.....Aluminium Brtve/Seals.....NBR Opruga/Spring.....INOX Vreteno/Spool.....Aluminium Upravljački dio/Pilot Parts.....Nylon

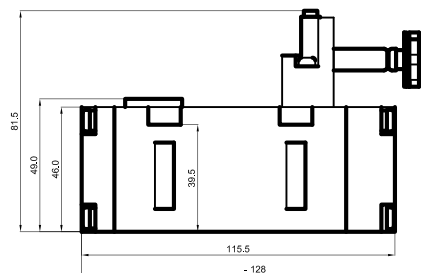
ELEKTRO UPRAVLJANI VENTILI-ISO/SOLENOID ACTUATED VALVES -ISO

YMV-52ISO2

5/2 ventil, elektromagnetski upravljani
5/2 Position Solenoid Valve



Temperatura / Temperature.....max. +60°C
Pritisak / Pressure.....1,5 -10 bar
Protok / Flow (5 bar).....3750 l / min

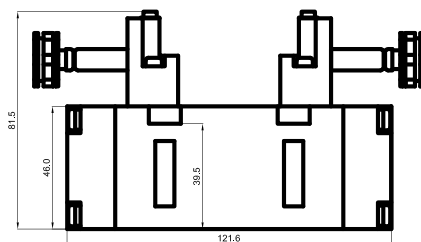


YMM-52ISO2

5/2 ventil, elektromagnetski upravljani
5/2 Position Solenoid Valve



Temperatura / Temperature.....max. +60°C
Pritisak / Pressure.....1,5 -10 bar
Protok / Flow (5 bar).....3750 l / min

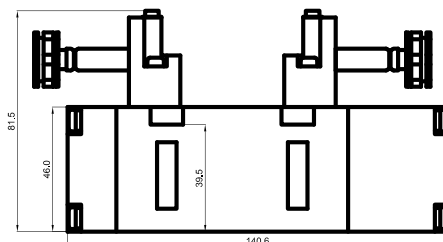
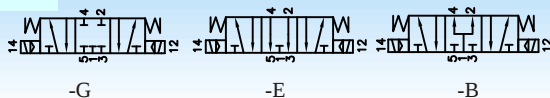


YMM-53ISO2-G/E/B

5/3 ventil, elektromagnetski upravljani
5/3 Position Solenoid Valve



Temperatura / Temperature.....max. +60°C
Pritisak / Pressure.....2 -10 bar
Protok / Flow (5 bar).....2400 l / min



TEHNICKI PODACI YMV-52,YMM-52,YMM-53 /

Medij/Fluid	Zrak, filtriran 20µm, nauljen* ili nenauljen Filtered Air 20µm, lubricated or not
Preklopno vrijeme Response time	YM-52.....25ms YM-53.....35ms
Magneti i konektori Coils and Connectors	MS-22 + KON-22
Materijal	Tijelo ventila/Valve Body.....Aluminium Brtve/Seals.....NBR Opruga/Spring.....INOX Vreteno/Spool.....Aluminium Upravljački dio/Pilot Parts....Nylon

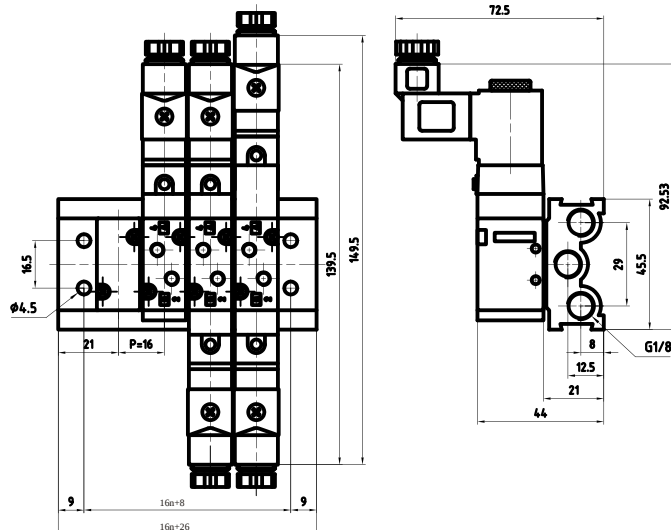


*Upotrebljavati samo ulje ISO VG 32 klasa1
*Use ISO VG Class 1 Lubricant

**Magneti i konektori pogledaj stranu 4.135.0,4.140.0

**Solenoid Coils and Connectors, see page 4.135.0,4.140.0

PRIKLJUCNE PLOCE/ MANIFOLD BLOCKS



YP-M5-2/4/6/8/10/12/14

Priključna ploča za ventile
YMV, YMM-M5
Mainfold Block for YMV,
YMM-M5



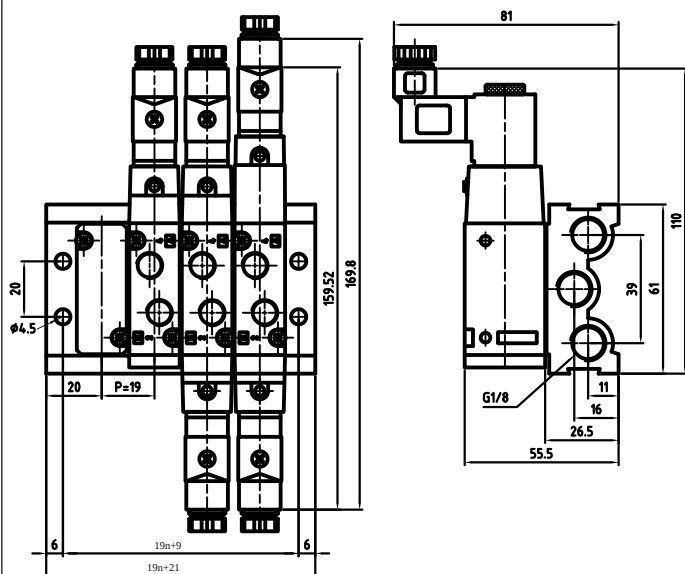
YPP-M5

Zaporna ploča za YP-M5
Blanking Plate for YP-M5



Ploče YP-M5 su namijenjene također sistemu multipol ventilskog otoka.
Pogledaj stranu 4.125.0.

Manifold Block YP-M5 can be used for composing in Multi Connector System.
See page 4.125.0.



YP-18-2/4/6/8/10/12/14

Priključna ploča za ventile
YMV, YMM-M5
Mainfold Block for YMV,
YMM-M5



YPP-18

Zaporna ploča za YP- 1/8
Blanking Plate for YP- 1/8



Ploče YP-18 su namijenjene također sistemu multipol ventilskog otoka.
Pogledaj stranu 4.125.0

Manifold Block YP-18 can be used for composing in Multi Connector System.
See page 4.125.0

PRIKLJUCNE PLOCE/ MANIFOLD BLOCKS

YP-14-2/4/6/8/10/12/14

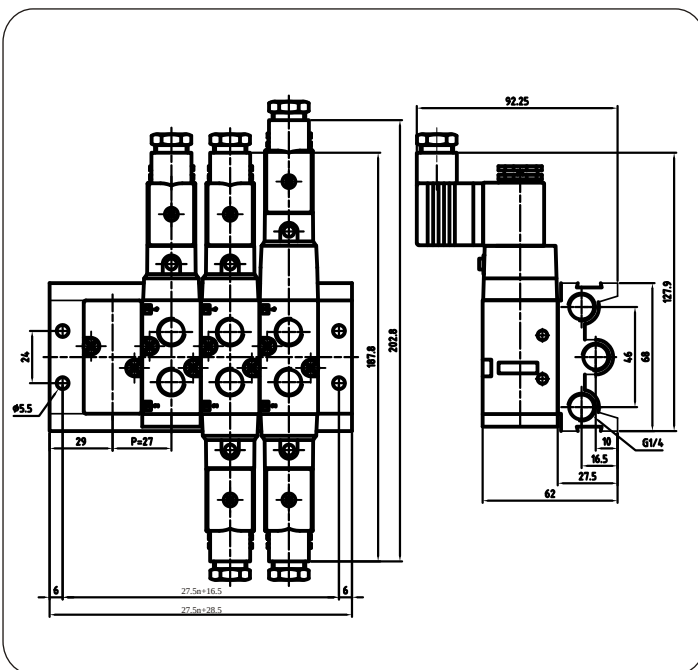


Priključna ploča za ventile
YMV, YMM-14 Mainfold
Block for YMV, YMM-14

YPP-14

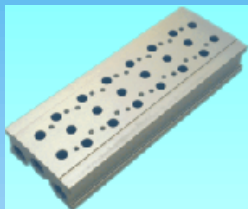


Zaporna ploča za YP-14
Blanking Plate for YP-14



Ploče YP-14 su namijenjene također sistemu multipol ventilskog otoka.
Pogledaj stranu 4.125.0
Manifold Block YP-14 can be used for composing in Multi Connector
System. See page 4.125.0

YP-12-2/4/6/8/10/12/14

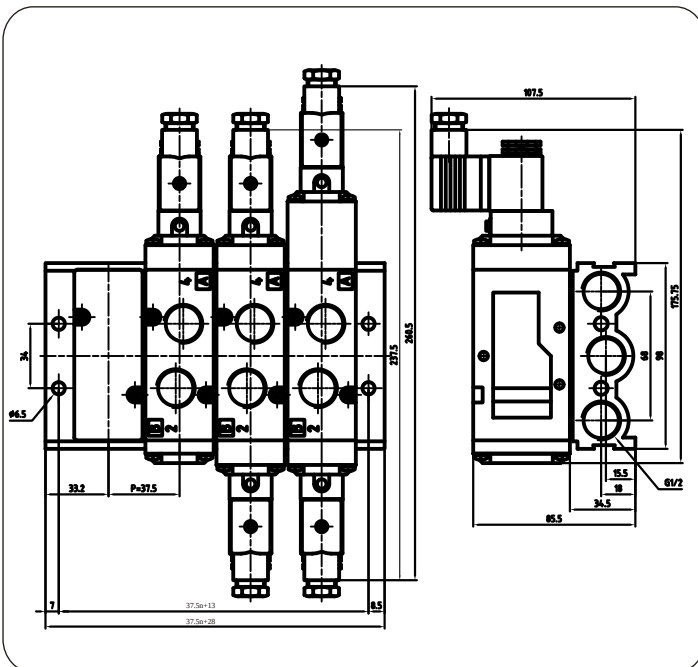


Priključna ploča za ventile
YMV, YMM-12 Mainfold Block for YMV,
YMM-12

YPP-12



Zaporna ploča za YP-12
Blanking Plate for YP-12

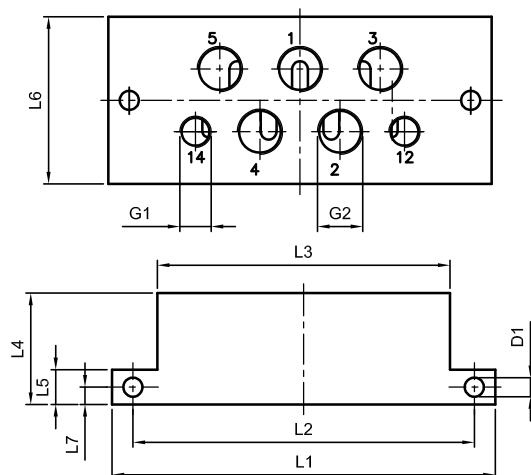


Ploče YP-12 su namijenjene također sistemu multipol ventilskog otoka.
Pogledaj stranu 4.125.0
Manifold Block YP-12 can be used for composing in Multi Connector
System. See page 4.125.0

PRIKLJUCNE PLOCE-ISO/ MANIFOLD BLOCKS-ISO

TIP
TYP

YPAU-ISO1	5,5	1/8	1/4	110	98	84	30	10	46	5
YPAU-ISO2	6,6	1/8	3/8	124	112	95	35	13	56	6,5



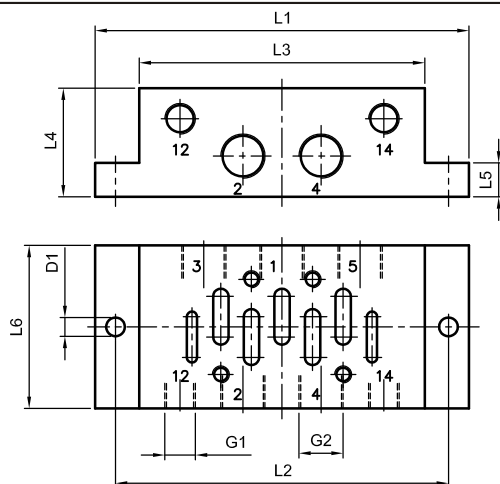
Priključna ploča za ventile
YMV, YMM-52 ISO1 i ISO2
Mainfold Block for
YMV, YMM-52 ISO1 and ISO2

YPAU-ISO1
YPAU-ISO2

Prikljucci na donjoj strani
Connection on bottom side

TIP
TYP

YPAS-ISO1	5,5	1/8	1/4	110	98	84	32	10	48
YPAS-ISO2	6,6	1/8	3/8	124	112	95	40	13	57



Priključna ploča za ventile
YMV, YMM-52 ISO1, ISO2
Mainfold Block for
YMV, YMM-52-ISO1, ISO2

YPAS-ISO1
YPAS-ISO2

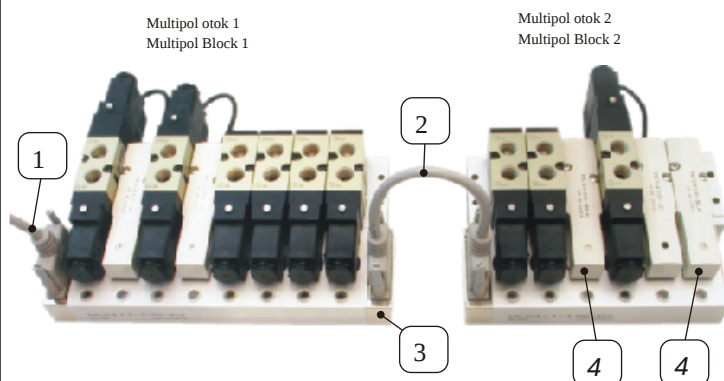
Prikljucci na prednjoj strani
Connection on forehead side



MULTIPOL OTOCI/ MULTIPOL BLOCKS

MCS-1/8, MCS-1/4

Multipol otoci / Multipol Block System



- 1.....Priključni kabel/D-SUB Connecting Cable
 2.....Spojni kabel/Link Cable
 3.....Spojni konektor/Link Connector
 4.....Slobodna mjesta (Zaporna ploča) /
 Blank Area (Blank Plate)



Multipol oprema je samo u izvedbi 24 V DC.
 Multipol Block System is working only on 24 V DC.

Preko D-SUB priključnog kabl je moguće upravljati s max 22 elektromagneta.

Minimalni broj priključnih mjesta na otoku je 4 (4 x YMV ventil ili 2 x YMM ventil) ili odgovarajuća kombinacija YMV in YMM ventila.

Max. broj priključnih mjesta na otoku je 14.

Otoke je međusobno moguće povezati ali do gore navedene vrijednosti od 22 elektromagneta.

Through D-SUB Connecting Cable is possible to control max. 22 Selenoid Coils.

Minimum number of Connecting places on Block is 4. (4 x YMV Valves or 2 x YMM Valves) or proper combination of YMV and YMM Valves.

Maximum number of Connecting places on Block is 14. Several Blocks is possible to connect mutual but only up to 22.

OZNAKA ORDER CODE	Ventil Valve	Simbol
V	YMV-5218 YMV-5214	
M	YMM-5218 YMM-5214	
G	YMM-5318-G YMM-5314-G	
E	YMM-5318-E YMM-5314-E	
B	YMM-5318-B YMM-5314-B	

Priključni kabel / D-SUB Connecting Cable

MCS-25-SC-3.....	Dužina/Lenght	3m
MCS-25-SC-5.....	Dužina/Lenght	5m
MCS-25-SC-10.....	Dužina/Lenght	10m

Spojni kabel / Link Cable

MCS-25-DC-05.....	Dužina/Lenght	0,5m
MCS-25-DC-10.....	Dužina/Lenght	1m

Kablovi se naručuju posebno.
 Cable Type ordered separately.

Primjer narucivanja / How to order:

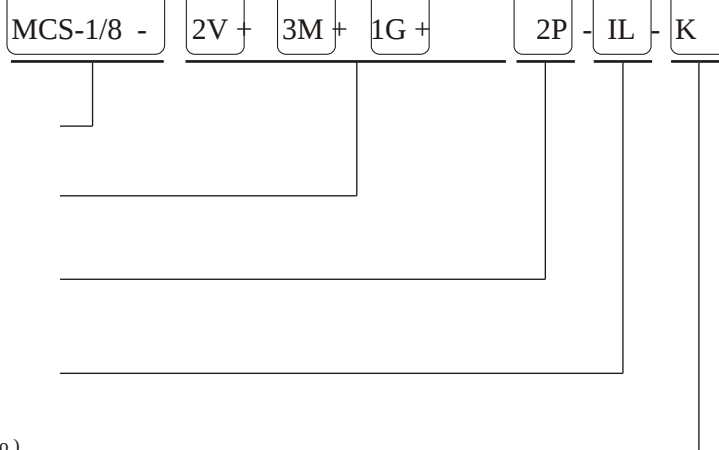
Tip otoka i pripadajućih ventila (G1/8 ali G1/4)
 Type of Block and belonged Valves (G1/8 or G1/4)

Broj i tip ventila (pogledaj tabelu)
 Number and Type of Valves (see the codes in table)

Broj slobodnih mjesta (zaporna ploča)
 Number of Blank Areas Blank Plate)

MOGUCNOST: Rucni uklop - ventil ostane u položaju
 OPTION: Manual Lever Locking - Valve stay in position

MOGUCNOST: Spojni konektor(za povezivanje više otoka zajedno)
 OPTION: Link Connector (to link more Blocks together)



Technical drawing of the MCS200 valve assembly, showing front and side views with dimensions and labels.

Front View Dimensions:

- Overall width: 11.4
- Overall height: 120.5
- Top section height: 61
- Bottom section height: 59.5
- Valve body height: 147.5
- Valve body width: 19
- Valve body spacing: 20
- Valve body diameter: $\phi 4.5$
- Valve body material: MCS200-JC
- Valve body type: MCS200 BLK
- Valve body material: 19 (mm) x br. Ventila / nr. valves + 21 (mm)
- Valve body material: 19 (mm) x br. Ventila / nr. valves + 9 (mm)
- Valve body material: 158.3
- Valve body material: 175.3

Side View Dimensions:

- Overall width: 26.5
- Overall height: 61
- Top section height: 16
- Bottom section height: 11
- Valve body height: 39
- Valve body width: 61
- Valve body diameter: $\phi 4.5$
- Valve body material: G1/4
- Valve body material: 65.25
- Valve body material: 59.5

Technical drawing of the MCS400-JC valve assembly, showing front and side views with dimensions.

Front View Dimensions:

- Overall width: 27.5 (mm) x br. Venti / nr. valves + 28.5 (mm)
- Overall height: 137
- Top flange width: 68
- Top flange thickness: 24
- Valve body width: 29
- Valve body height: 175.5
- Valve body thickness: 190.5
- Valve body to base distance: 205.75
- Valve body to top flange distance: 119.75
- Valve body to base distance: 69
- Valve body to top flange distance: 62
- Valve body to top flange distance: 26
- Valve body to top flange distance: 16.5
- Valve body to top flange distance: 10
- Valve body to top flange distance: 46
- Valve body to top flange distance: 68

Side View Dimensions:

- Overall width: 62
- Overall height: 137
- Top flange width: 68
- Top flange thickness: 24
- Valve body width: 29
- Valve body height: 175.5
- Valve body thickness: 190.5
- Valve body to base distance: 205.75
- Valve body to top flange distance: 119.75
- Valve body to base distance: 69
- Valve body to top flange distance: 62
- Valve body to top flange distance: 26
- Valve body to top flange distance: 16.5
- Valve body to top flange distance: 10
- Valve body to top flange distance: 46
- Valve body to top flange distance: 68

Labels:

- MCS400-JC
- MCS400-BLK
- P=27
- Ø5.5

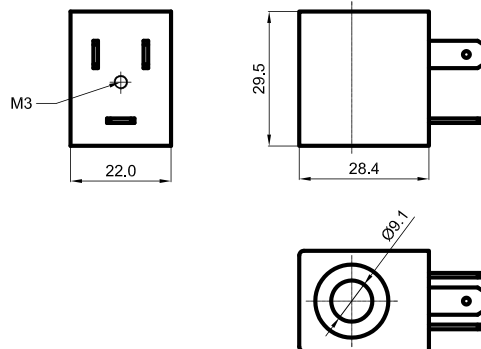
ELEKTROMAGNETI/ SOLENOID COILS

MS-22

Elektromagneti
Solenoid Coil

Temp.-15 +50°C
 Izolacija / Insulation Class.....F-Class
 Odst.nap. / Voltage Tolerances..... +/- 10%

MS-22-12-DC//12 V DC 2,5 W
 MS-22-24-DC//24 V DC 2,5 W
 MS-22-24-AC//24 V AC 50/60 Hz 5 W
 MS-22-110-AC//110 V AC 50/60 Hz 5 W
 MS-22-220-AC//220 V AC 50/60 Hz 5 W

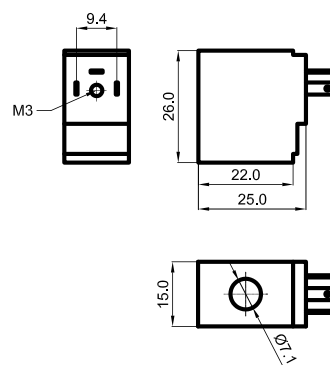


MS-15

Elektromagneti
Solenoid Coil

Temp.-15 +50°C
 Izolacija / Insulation Class.....F-Class
 Odst.nap. / Voltage Tolerances..... +/- 10%

MS-15-12-DC//12 V DC 2,5 W
 MS-15-24-DC//24 V DC 2,5 W
 MS-15-24-AC//24 V AC 50/60 Hz 5 W
 MS-15-110-AC//110 V AC 50/60 Hz 5 W
 MS-15-220-AC//220 V AC 50/60 Hz 5 W

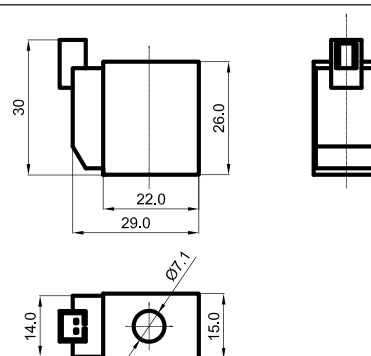


MS-2

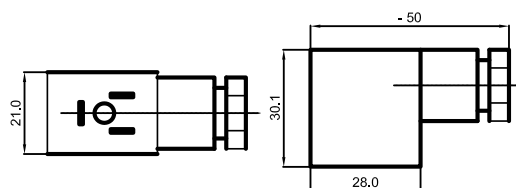
Elektromagneti
Solenoid Coil

Temp.-15 +50°C
 Izolacija / Insulation Class.....F-Class
 Odst.nap. / Voltage Tolerances..... +/- 10%

MS-2-24-DC//24 V DC 2,5 W

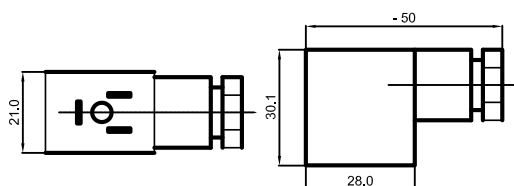


KONEKTORI/ CONNECTORS

**KON-22**

Konektor / Connector

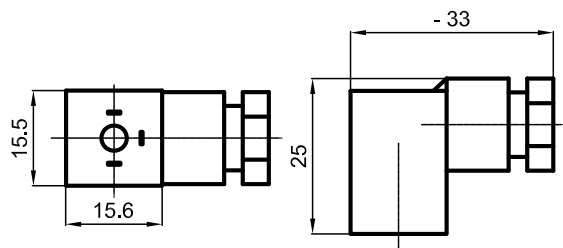
Konektor za elektromagnete MS-22
Connector for Solenoid Coils MS-22

**KON-22-24 LED / KON-22-220 LED**

Konektor / Connector

KON-22-24 LEDKonektor za
elektromagnete MS-22-24-DC
Connector for Solenoid Coils MS-22-24-DC

KON-22-220 LED Konektor za
elektromagnete MS-22-220-AC
Connector for Solenoid Coils
MS-22-220-AC

**KON-15**

Konektor / Connector

Konektor za elektromagnete MS-15
Connector for Solenoid Coils MS-15

**KON-2-06 / KON-2-10**

Konektor / Connector

Konektor za elektromagnet MS-2
Connector for Solenoid Coil MS-2

KON-2-06Dužina žice/Cable lenght.....0,6 m
KON-2-10Dužina žice/Cable lenght.....1 m

