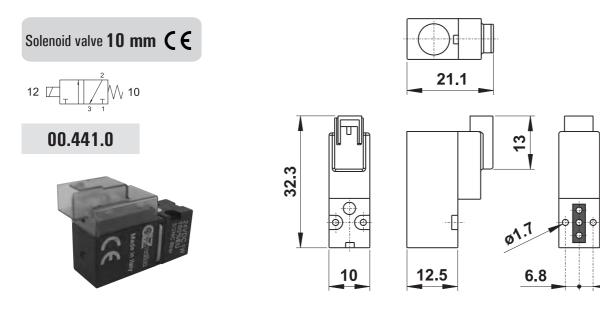
COILS, CONNECTORS, SOLENOID VALVES



10 mm solenoids



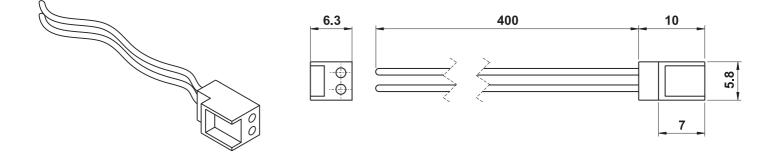
6.2



Tension	24V DC ±10%	Temperature range		-5°C+60°C (23°F 140 ° F)
Power	0.5 1 W	Operating pressure		0 7 bar (0 101 PSI) 0 0.7 MPa
Nominal flow rate at 6 bar (87 PSI), Δp 1 bar (14 PSI)	15 NI/min (0.01 Cv)	Fluid	5 μ filtered, lubricate	d or non lubricated air

ACCESSORIES

07.049.0 Connector for 10 mm solenoid with cable red/black, length 400 mm



15 mm solenoids and connectors





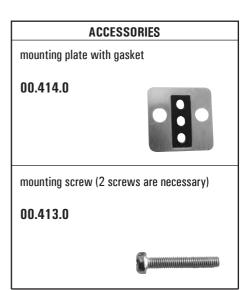
12 T

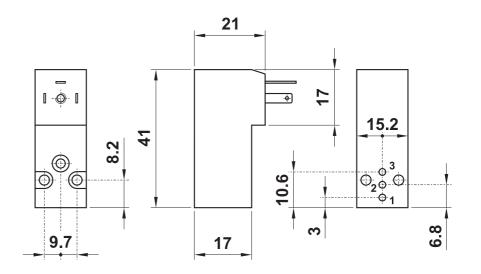


code tension		
00.253.0	12V DC	
00.254.0	24V DC	
00.255.0	24V 50/60Hz	
00.256.0	110V 50/60Hz	
00.257.0	220V 50/60Hz	

valve function	3/2 NC
nominal diameter	1.1 mm
flow rate 1-2	30 NI/min (0.032 Cv)
flow rate 2-3	35 NI/min (0.038 Cv)
operating pressure	max 10 bar (145 PSI)
lifetime (cycles)	100x10 ⁶
response time	10 ms
max operating temperature	+50°C (122 °F)
duty cycle	ED 100%
	DC: 2W
rated power consumption	AC: 1.3VA
protection	IP 51
tension tolerance	-10%; +15%

- Electrical connection: DIN 43650, C form
- With non-detented manual override

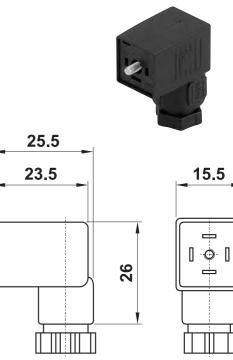




1.5

15.5

	_		
code	colour	cable	type
00.252.0	black	PG07	standard
00.340.0	transparent	PG07	with LED 24V
00.341.0	transparent	PG07	with LED 24V and VDR
00.342.0	transparent	PG07	with LED 115V
00.343.0	transparent	PG07	with LED 115V and VDR
00.398.0	transparent	PG07	with LED 230V
00.399.0	transparent	PG07	with LED 230V and VDR



22 mm coils and connectors



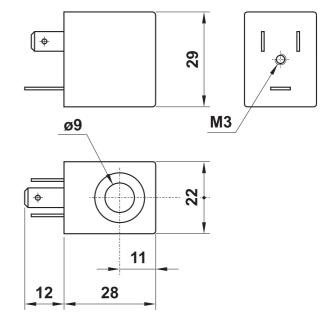


max working temperature	+50°C (122 °F)
duty cycle	ED 100%
protection with connector correctly mounted	IP 65
tension tolerance	±10%

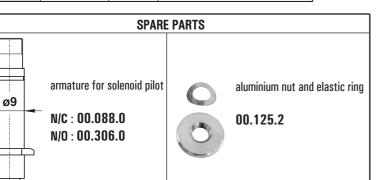
• low consumption (1.5W) on request

		power		
code	tension	rated	inrush	
00.486.0	24V DC	3W		
00.487.0	24V 50/60Hz	5VA	7.5VA	
00.488.0	110V 50/60Hz	5VA	7.5VA	

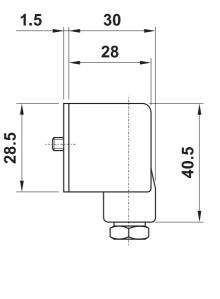


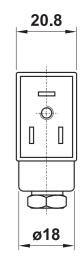


code	colour	cable	type
00.197.0	black	PG09	standard
00.344.0	transparent	PG09	with LED 24V
00.345.0	transparent	PG09	with LED 24V and VDR
00.346.0	transparent	PG09	with LED 115V
00.347.0	transparent	PG09	with LED 115V and VDR
00.394.0	transparent	PG09	with LED 230V
00.395.0	transparent	PG09	with LED 230V and VDR









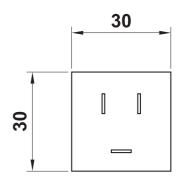
30 mm coils and connectors

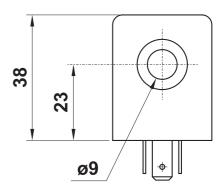


30 mm C€

max working temperature	+50°C (122°F)
duty cycle	ED 100%
protection with connector correctly mounted	IP 65
tension tolerance	±10%



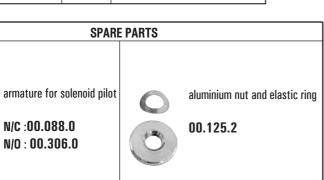




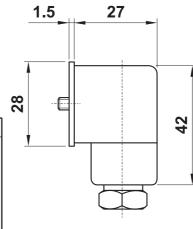
		pov	ver
code	tension	rated	inrush
00.258.0	24V DC	2W	
00.259.0	24V 50/60Hz	5VA	9VA
00.260.0	110V 50/60Hz	5VA	9VA
00.261.0	220V 50/60Hz	5VA	9VA

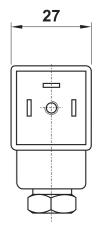
code	colour	cable	type
00.251.0	black	PG09	standard
00.348.0	transparent	PG09	with LED 24V
00.349.0	transparent	PG09	with LED 24V and VDR
00.350.0	transparent	PG09	with LED 115V
00.351.0	transparent	PG09	with LED 115V and VDR
00.396.0	transparent	PG09	with LED 230V
00.397.0	transparent	PG09	with LED 230V and VDR

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10 mm solenoids

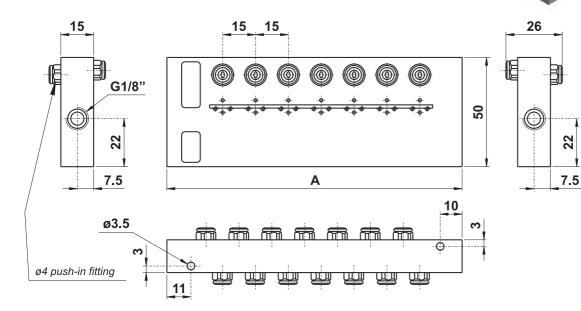


36666

manifolds for 10 mm solenoid valves

The following codes refers only to manifolds. Solenoid valves can be bought separately (see above).

- These manifolds can be used independently or mounted in multiconnection systems (refer to pages 209-211))
- Attention: maximum torque for mounting screws of the solenoid valves: 0.25 Nm

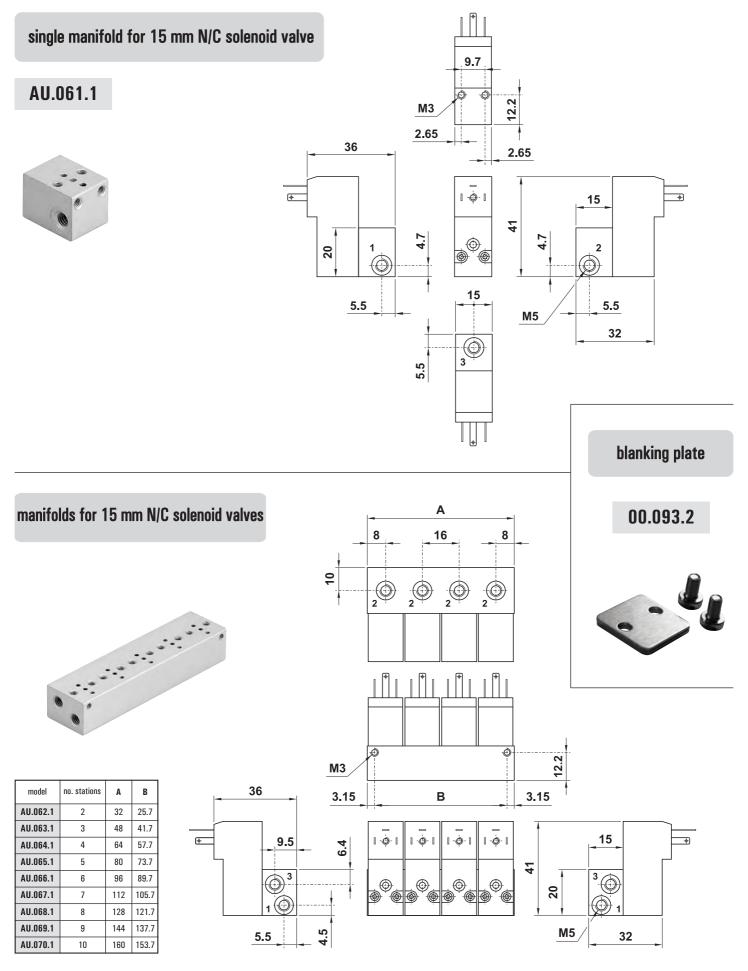


model	no. stations	A
07.090.2	4	60
07.091.2	6	75
07.092.2	8	90
07.093.2	10	105
07.094.2	12	120
07.095.2	14	135
07.096.2	16	150
07.097.2	18	165
07.098.2	20	180
07.099.2	22	195
07.100.2	24	210

Manifolds for 15 mm solenoid valves



The following codes refers only to manifolds. Solenoid valves can be bought separately



Solenoid valves on manifold



+

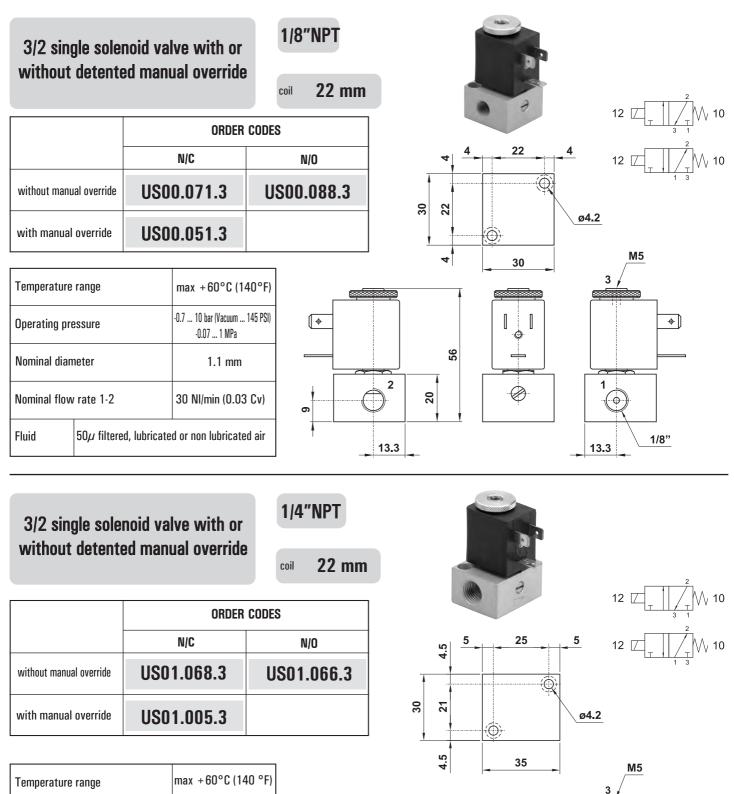
G1/4"

Ō

15

The following products are sold without coils. These can be bought separately

To use these products as 2/2 valves, for each solenoid valve it is necessary to order the aluminium nut (code 00.125.2) with M5 plug (code 36.643.0).



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-0.7 ... 10 bar (Vacuum ... 145 PSI)

0.07 ... 1 MPa

1.1 mm

30 NI/min (0.03 Cv)

 50μ filtered, lubricated or non lubricated air

Operating pressure

Nominal diameter

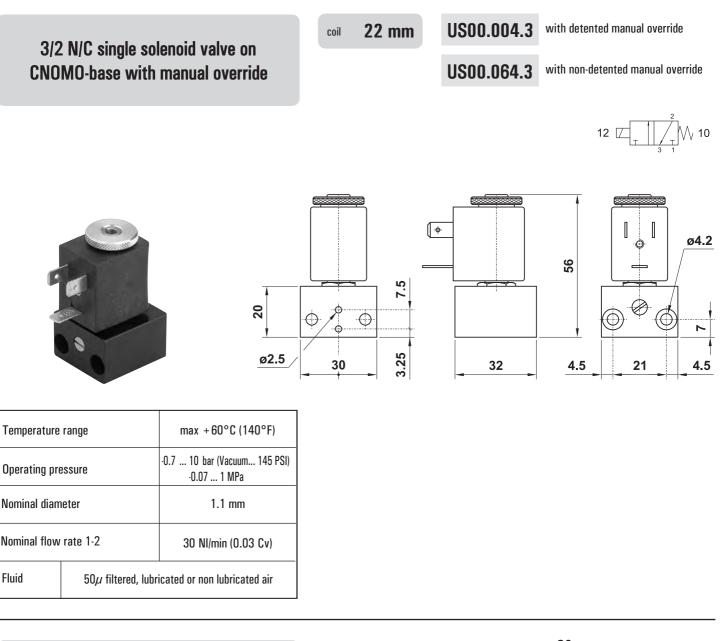
Fluid

Nominal flow rate 1-2

Solenoid valves on manifold

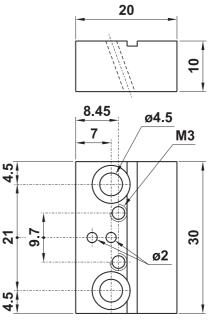


To use these products as 2/2 valves, for each solenoid valve it is necessary to order the aluminium nut (code 00.125.2) with M5 plug (code 36.643.0).



interface for 15 mm solenoid valve on CNOMO-base

00.441.1



Solenoid valves on manifold



The following products are sold without coils. These can be bought separately

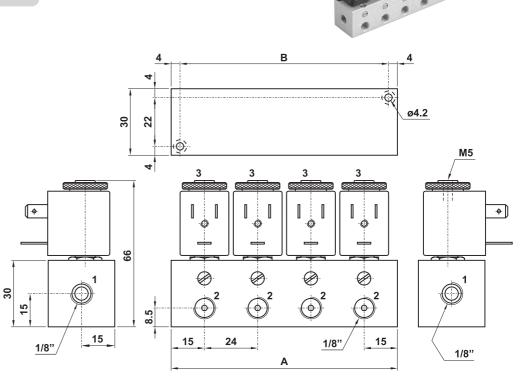
To use these products as 2/2 valves, for each solenoid valve it is necessary to order the aluminium nut (code 00.125.2) with M5 plug (code 36.643.0).

22 mm

22 mm 3/2 N/C solenoid valves on manifold without manual override nominal diameter 1.1 mm (0.04 in) • В 6 ₩ 10 12 🛛 (Ð); ø4.2 30 М5 3 3 3 3 \boxtimes В mode no. stations A • + US00.072.3 2 56 44 **US**00.073.3 3 79 67 56 US00.074.3 4 102 90 **US**00.075.3 5 125 113 1 1 (ϕ) (ϕ) (ϕ) (0 20 US00.076.3 6 148 136 () (\bigcirc) 2 2 2 2 **US**00.077.3 7 171 159 **US**00.078.3 8 194 182 16.5 23 16.5 1/8" **US**00.079.3 9 217 205 Α 10 240 228 US00.080.3

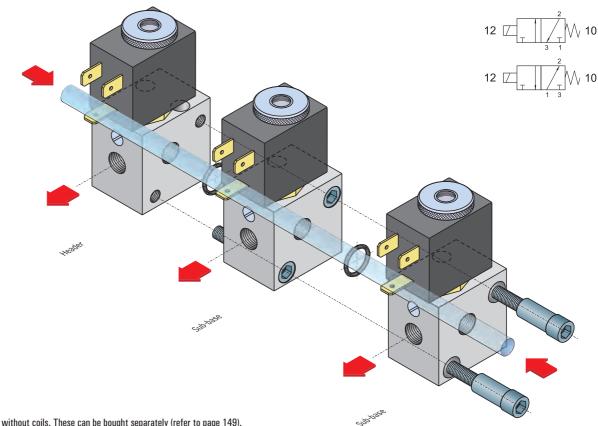
- 3/2 N/C solenoid valves on manifold with detented manual override
- nominal diameter 1.1 mm (0.04 in)

model	no. stations	A	В
US 00.052.3	2	54	46
US 00.053.3	3	78	70
US 00.054.3	4	102	94
US 00.055.3	5	126	118
US 00.056.3	6	150	142





- User ports: 1/8" NPT (BSP version avaiable on request) or push-in • fittings for 5/32" or ø4 mm tube
- Headers can be used also as bases for standing-alone solenoid valves •
- With or without detented manual override •
- Normally closed and normally open 3/2 version •
- For 22 mm coils •



The following products are sold without coils. These can be bought separately (refer to page 149).

Temperature range		max +60°C (140°F)
Operating pressure		-0.7 10 bar (Vacuum 145 PSI) -0.07 1 MPa
Nominal diameter		1.1 mm (0.04 in)
Fluid	50μ filtered, lubricated or non lubricated air	

To use these products as 2/2 valves, for each solenoid valve it is necessary to order the aluminium nut (code 00.125.2) with M5 plug (code 36.643.0).

Sub-bases and headers are sold with all necessary pieces for installation.

\$

1/8"

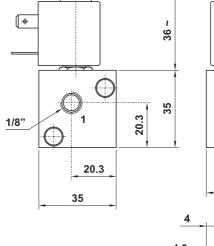


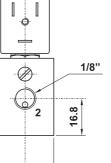
with detented manual override

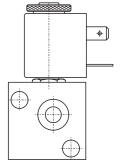
1/8"NPT	
---------	--

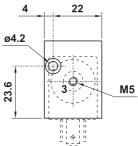
ORDER CODE	
N/C	
US00.094.3	



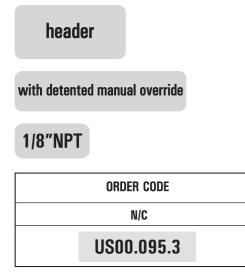




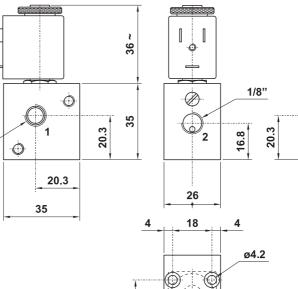




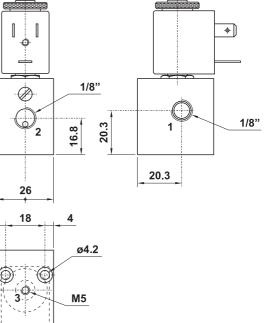
26







23.6





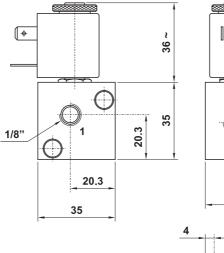
sub-base

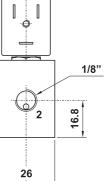
without manual override

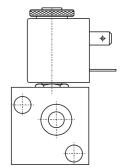
1/8"NPT

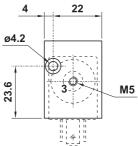
ORDER CODES	
N/C N/O	
US00.096.3	US00.130.3

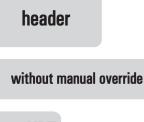








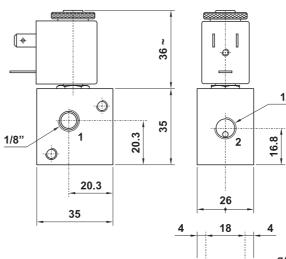




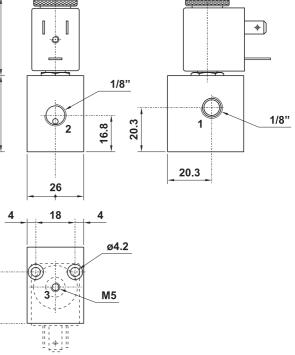
1/8"NPT

ORDER CODES	
N/C N/O	
US00.097.3	US00.131.3





23.6





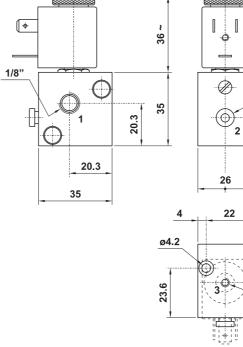
sub-base

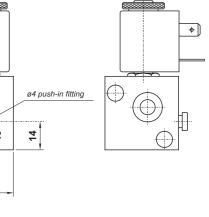
with detented manual override

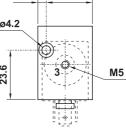
Ø	Δ
Ψ	-

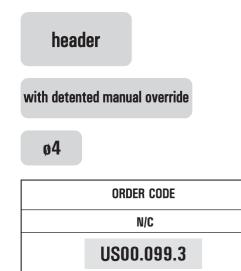
ORDER CODE	
N/C	
US00.098.3	3



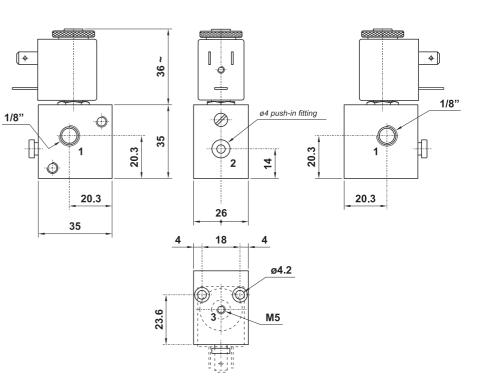














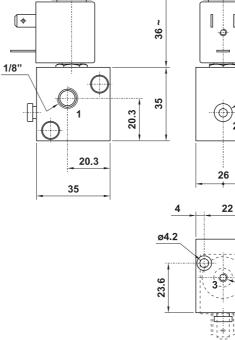
sub-base

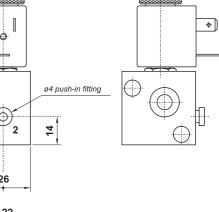
without manual override

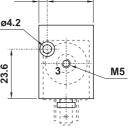
Ø	4
~	-

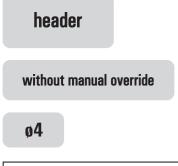
ORDER CODES		
N/C N/O		
US00.100.3	US00.134.3	





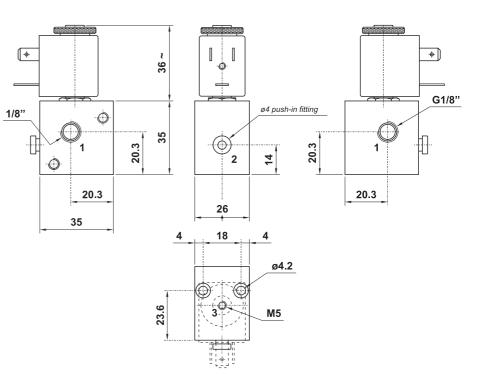






ORDER CODES	
N/C	N/O
US00.101.3	US00.135.3





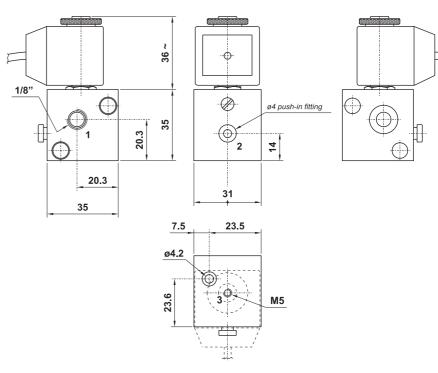


sub-base

with manual override

ø	Л
Ų	4

ORDER CODE		
N/C		
US00.104.3X		





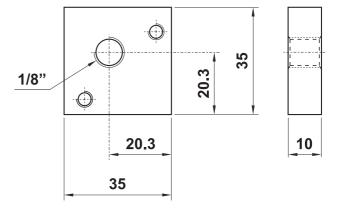
ATEX version on request

The following products are sold without coils. These can be bought separately (refer to page 151: ATEX 30 mm coils). They can be used only as 3/2 NC valve.

closed header

US00.360.1

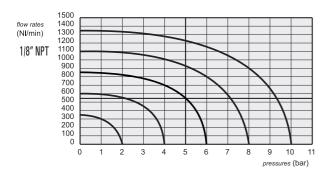


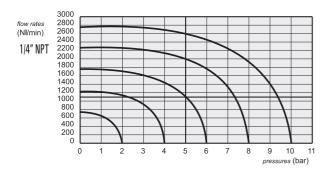


Solenoid actuated valves

- 3/2-5/2-5/3 spool valves with 1/8" 1/4" 1/2" NPT threaded ports, BSP version avaiable on request
- Installation in-line, on gang or modular manifolds
- Solenoid pilots with detented manual override as standard
- On request with low consumption 1.5W
- Special versions on request

• Coil sold separately on request





The following products are sold without coils. These can be bought separately (refer to page 185).











Materials

<u>Body</u>: aluminium 11S <u>End cups</u>: aluminium 11s <u>Springs</u>: stainless steel <u>Seals</u>: NBR <u>Spool</u>: nickel plated aluminium <u>Internal parts</u>: brass OT58

Response times

	1/8″ NPT	1/4" NPT
mono-stable	TRA (14): 15 ms TRR (12): 35 ms	
bi-stable	TRA (14): 20 ms TRR (12): 20 ms	

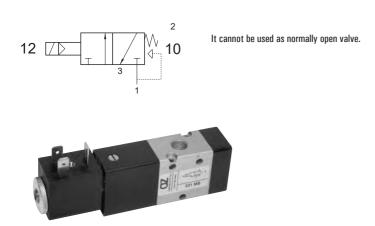
Nominal diameter		1/8" NPT: 5 mm 1/4" NPT: 7.5 mm	
Temperature range		max +60°C (140 °F)	
	mono-stable internal air supply	bi-stable internal air supply	separate air supply
Operating pressure	2.5 10 bar (36 145 PSI) 0.25 1 MPa	1 10 bar (14 145 PSI) 0.1 1 MPa	-0.9 10 bar (Vacuum 145 PSI) -0.09 1 MPa
Actuating pressure (for separate air supply)		mono-stable	bi-stable
		2.5 10 bar (36 145 PSI) 0.25 1 MPa	1 10 bar (14 145 PSI) 0.1 1 MPa
Fluid		50 μ filtered, lubricated or non lubricated air	

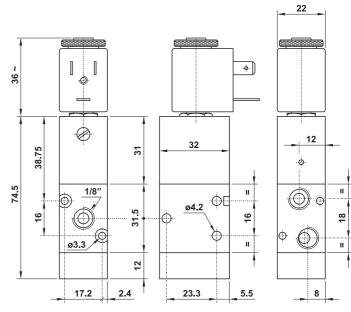
Solenoid actuated valves - 1/8"



US321 ME

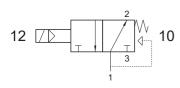
3/2 1/8" NPT N/C solenoid pilot - air and spring return





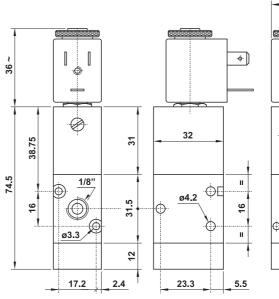
US321 MEA

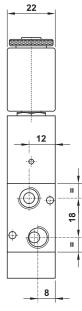
3/2 1/8" NPT N/O solenoid pilot - air and spring return



It cannot be used as normally closed valve.





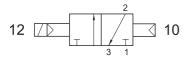


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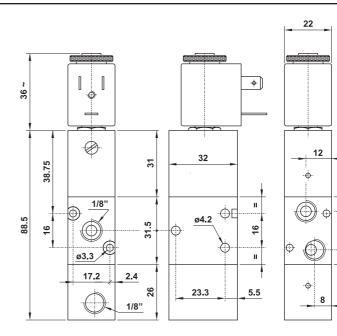
9

US321 CE

3/2 1/8" NPT solenoid pilot - separate pneumatically piloted return



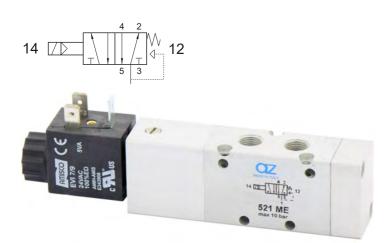


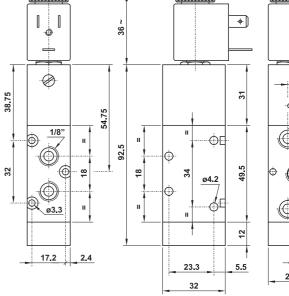


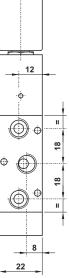




5/2 1/8" NPT solenoid pilot - air and spring return

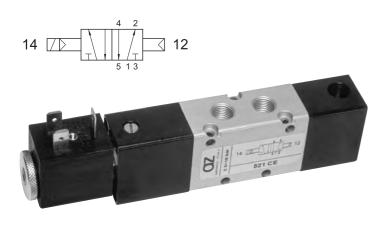


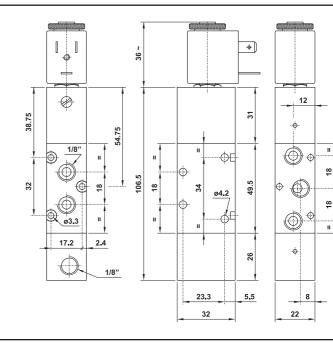




US521 CE

5/2 1/8" NPT solenoid pilot - separate pneumatically piloted return

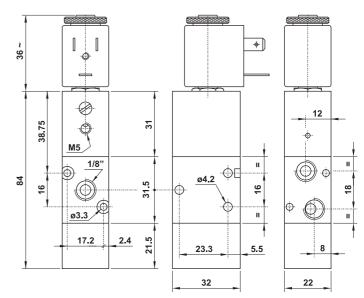




US321 ME AS

3/2 1/8" NPT solenoid pilot with separate air supply - spring return

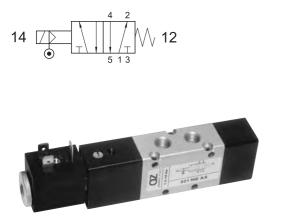


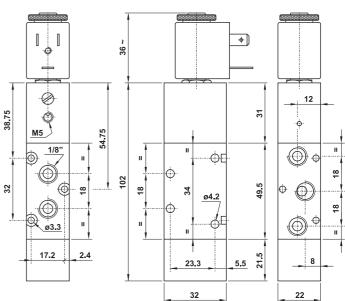




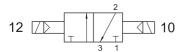
US521 ME AS

5/2 1/8" NPT solenoid pilot with separate air supply - spring return

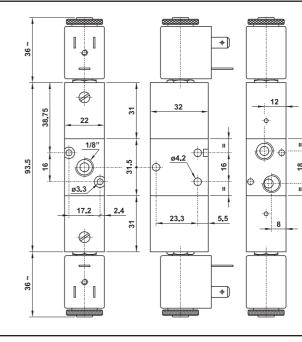




US321 EE 3/2 1/8" NPT double solenoid pilot

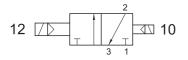




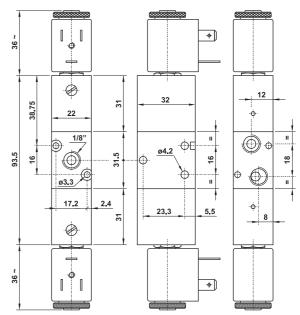


US321 EED

 $3/2\ 1/8''$ NPT double solenoid pilot - with differential



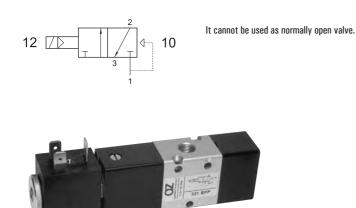


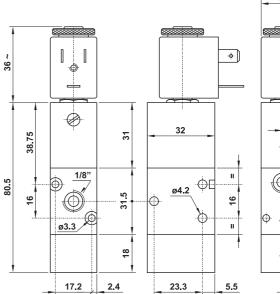


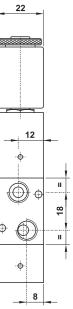


US321 EFP

3/2 1/8" NPT N/C solenoid pilot - pneumatic spring return





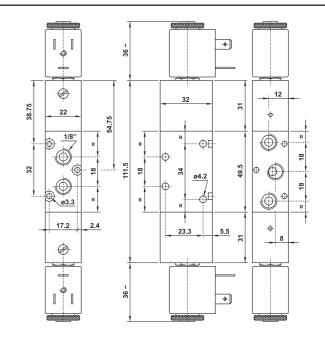


US521 EE

5/2 1/8" NPT double solenoid pilot



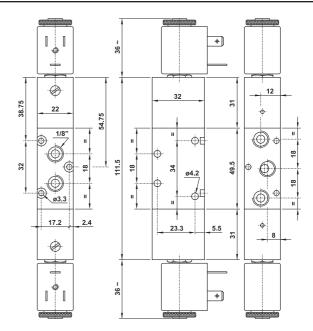




US521 EED

5/2 1/8" NPT double solenoid pilot - with differential

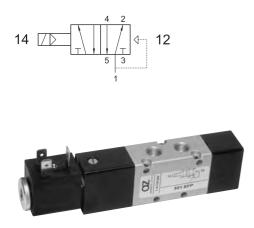


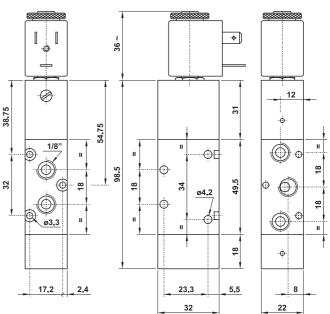




US521 EFP

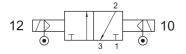
5/2 1/8" NPT solenoid pilot - pneumatic spring return



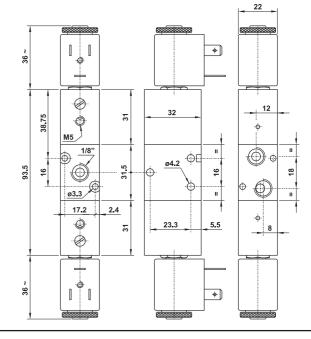


US321 EE AS

3/2 1/8" NPT double solenoid pilot with separate air supply





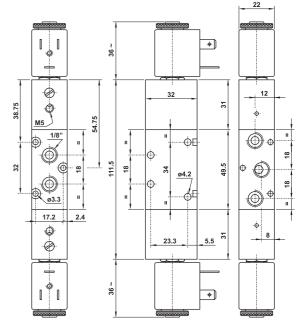


US521 EE AS

5/2 1/8" NPT double solenoid pilot with separate air supply

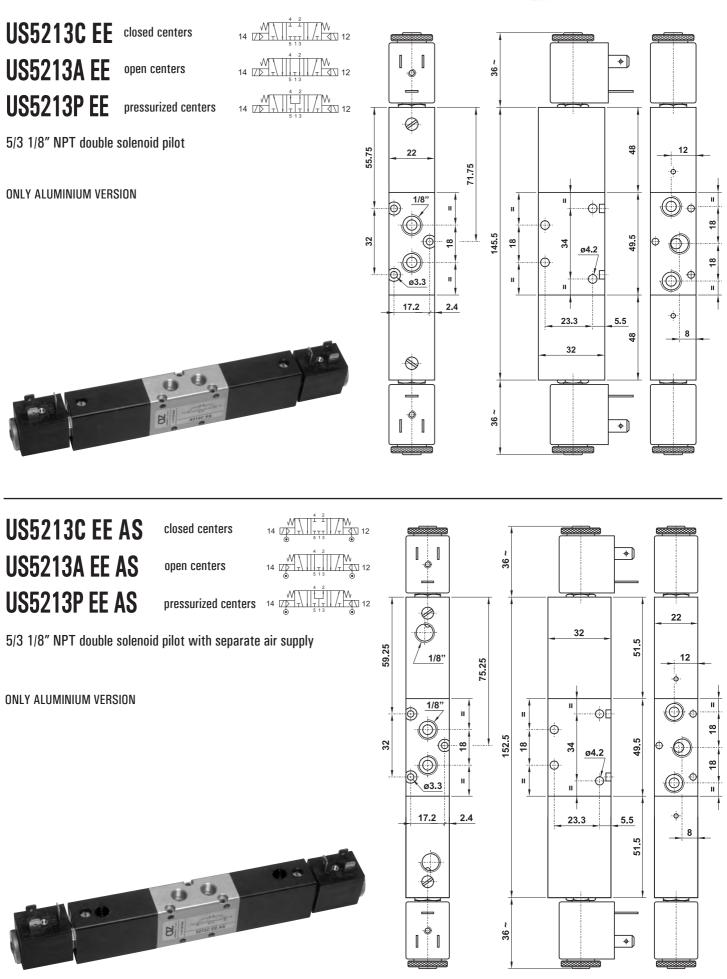
14
$$\swarrow$$





Solenoid actuated valves - 1/8"







13.8

ш

22

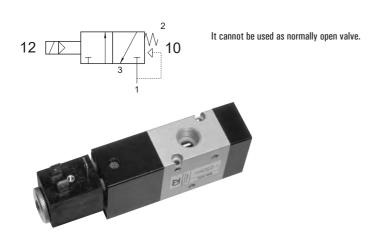
п

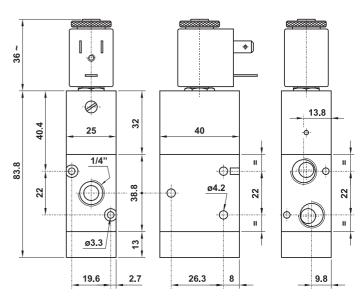
9.8

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US322 ME

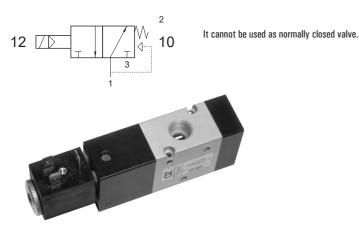
3/2 1/4" NPT NC solenoid pilot - spring and air return





US322 MEA

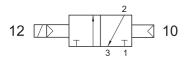
3/2 1/4" NPT NO solenoid pilot - spring and air return



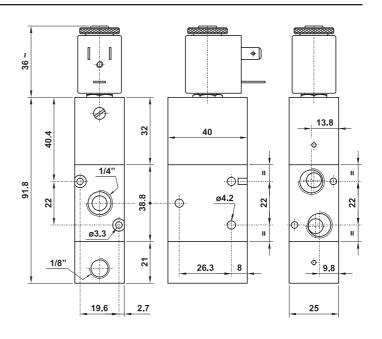
Π ¢ 36~ Ò Ø 32 40.4 25 40 1/4' 83.8 ш -@E ø4.2 38.8 22 0 22 -0 Ш ø3.3 33 19.6 2.7 26.3 8

US322 CE

3/2 1/4" NPT solenoid pilot - separate pneumatically piloted return



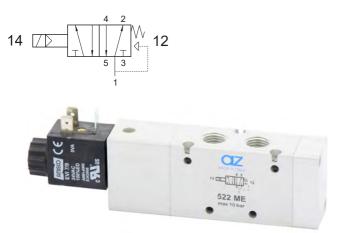


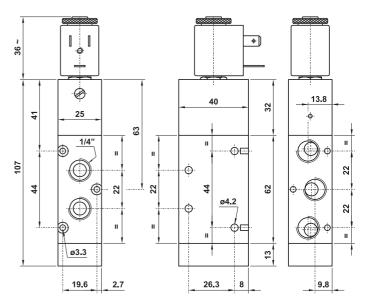




US522 ME

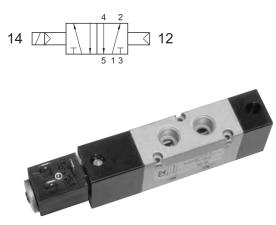
5/2 1/4" NPT solenoid pilot - spring and air return

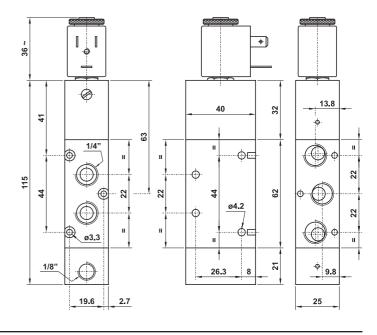




US522 CE

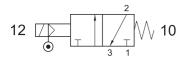
5/2 1/4" NPT solenoid pilot - separate pneumatically piloted return



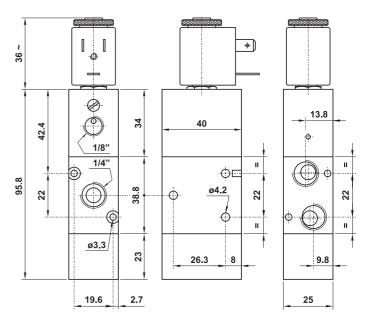


US322 ME AS

3/2 1/4" NPT solenoid pilot with separate air supply - spring return



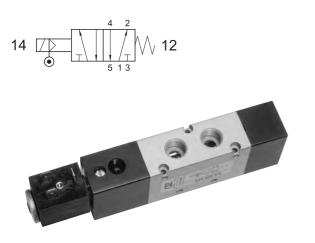


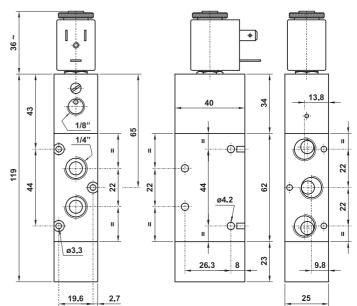




US522 ME AS

5/2 1/4" NPT solenoid pilot with separate air supply - spring return

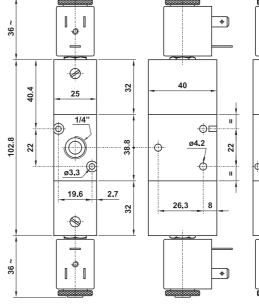


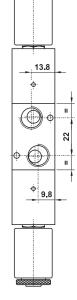


US322 EE 3/2 1/4" NPT double solenoid pilot



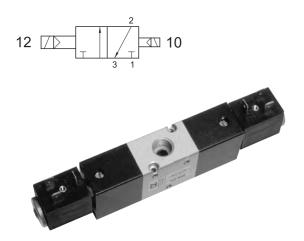


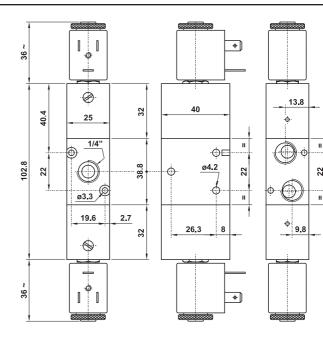




US322 EED

3/2 1/4" NPT double solenoid pilot - with differential

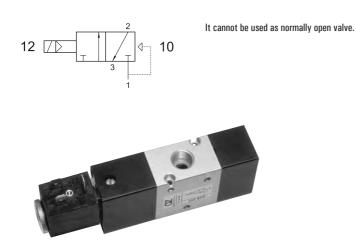


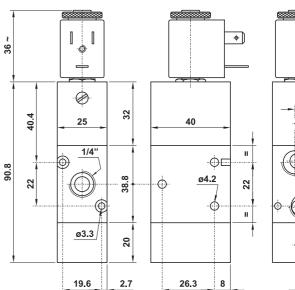


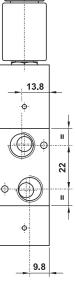


US322 EFP

3/2 1/4" NPT N/C solenoid pilot - pneumatic spring return

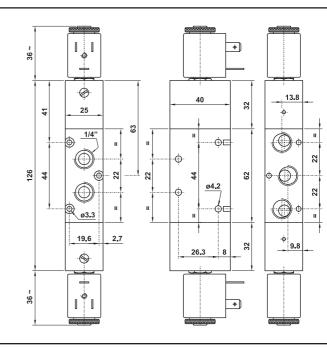






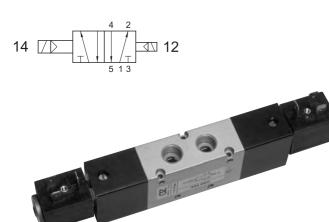
US522 EE 5/2 1/4" NPT double solenoid pilot 14 $tot = \frac{4}{5} \frac{2}{13} tot = 12$

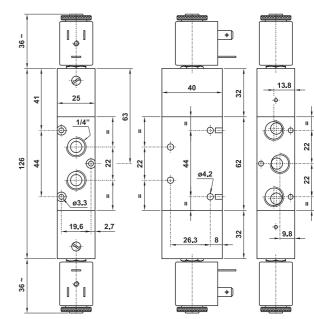
Bill



US522 EED

 $5/2 \ 1/4'' \ NPT$ double solenoid pilot - with differential

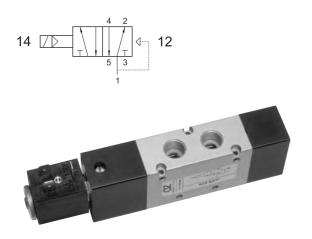






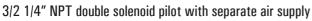
US522 EFP

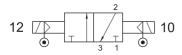
5/2 1/4" NPT solenoid pilot - pneumatic spring return



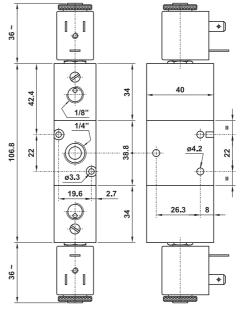
• + 36, Ø 40 13.8 32 25 4 63 1/4" п ÓE 6 -🕁 22 114 44 22 0 22 4 62 ø4.2 Ċ 22 (ø3.3 20 19.6 2.7 8 26.3 9.8

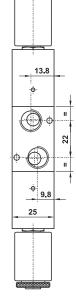
US322 EE AS



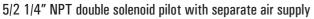


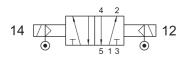




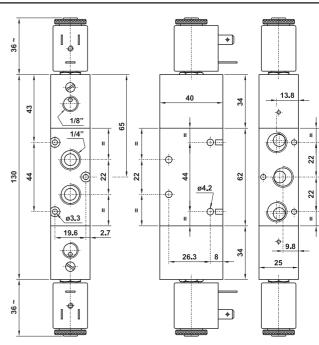


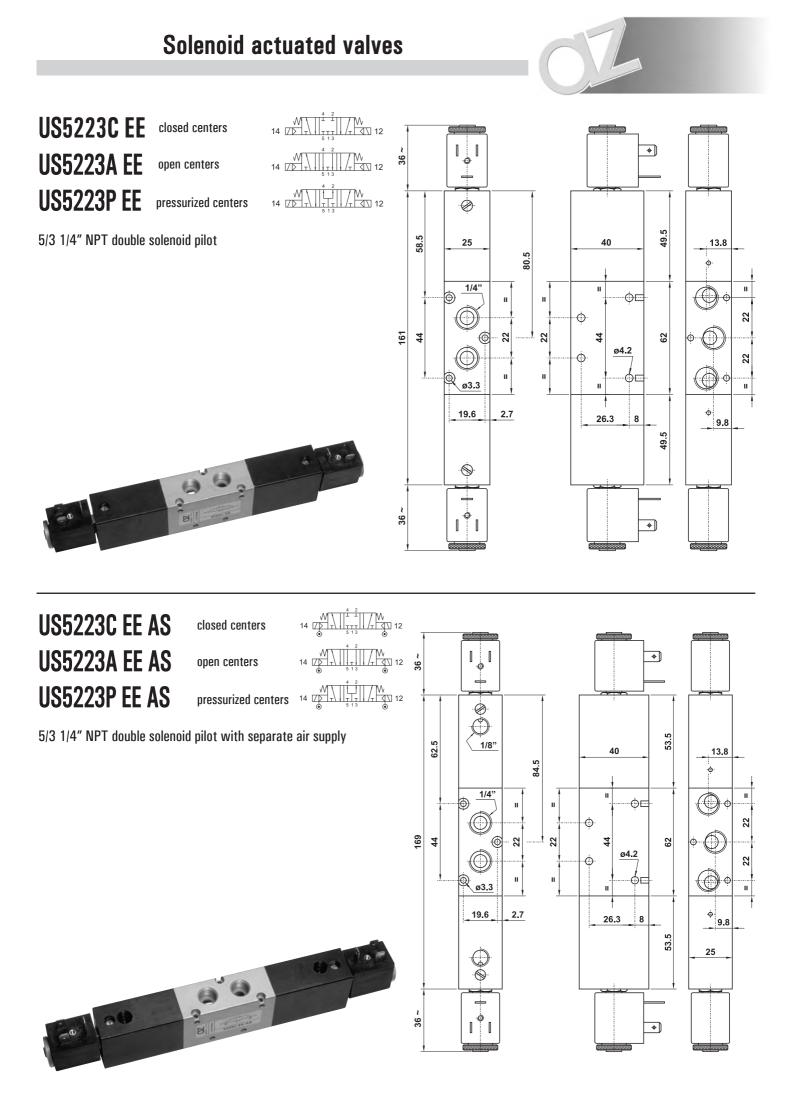
US522 EE AS





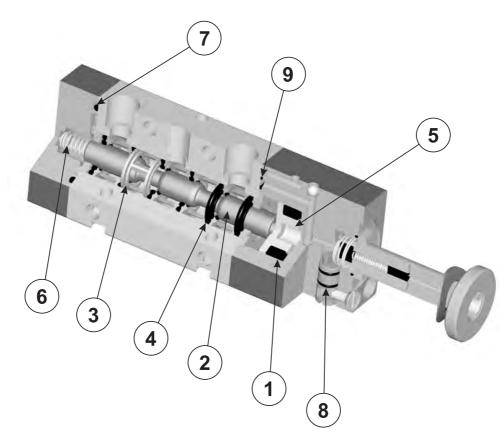






Spare parts for spool valves





- 1. DE seal for piston: NBR
- 2. Spool: aluminium 11S, nickeled
- 3. Spacer for spool: brass
- 4. Seal for spool: NBR
- 5. Piston to actuate the spool: delrin
- 6. Spring: steel
- 7. O-Ring seal: NBR
- 8. O-Ring seal 4x1: NBR
- 9. Shaped O-Ring: NBR

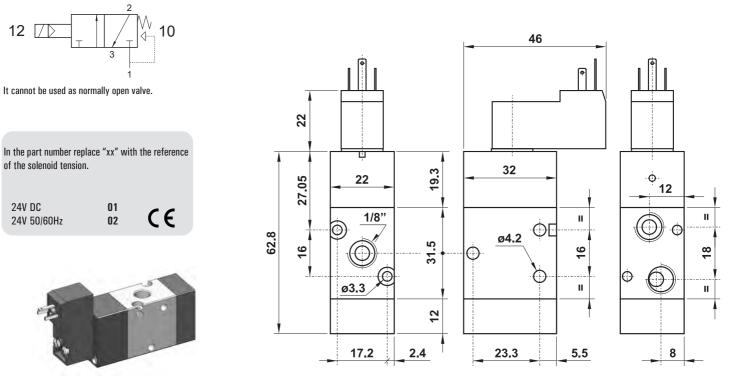
code of kit	suitable for		
00.036.2	US321 MC	US321 MCA	US321 ME
00.030.2	US321 MEA		
00.039.2	US521 MC	US521 ME	
00.000.2			
00.037.2	US321 CC	US321 EE	US321 CE
00.037.2	US321 EE AS		
00.040.2	US521 CC	US521 EE	US521 CE
00.040.2	US521 EE AS		
01.014.2	US322 MC	US 322 MC SUP	US 322 MCA
01.014.2	US322 ME	US322 MEA	
01.020.2	US522 MC	US522 MC SUP	US522 ME
01.015.2	US322 CC	US322 CC SUP	US322 CE
01.013.2	US322 EE	US322 EE AS	
01.021.2	US522 CC	US522 CC SUP	US522 CE
	US522 EE	US522 EE AS	

code of kit		suitable for	
00.038.2	US321 EED	US321 EFP	US321 CCD
	US321 CFP		
00.041.2	US521 EED	US521 EFP	US521 CCD
00.041.2	US521 CFP		
01.019.2	US322 EED	US322 EFP	US322 CCD
01.013.2	US322 CFP		
01.022.2	US522 EED	US522 EFP	US522 CCD
01.022.2	US522 CFP		
00.050.2	US321 ME AS		
01.035.2	US322 ME AS		
00.051.2	US521 ME AS		
01.036.2	US522 ME AS		
	US5213C CC	US5213A CC	US5213P CC
00.108.2	US5213C EE	US5213A EE	US5213P EE
	US5213C EE AS	US5213A EE AS	US5213P EE AS
01.061.2	US5223C CC	US5223A CC	US5223P CC
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	US5223C EE AS	US5223A EE AS	US5223P EE AS



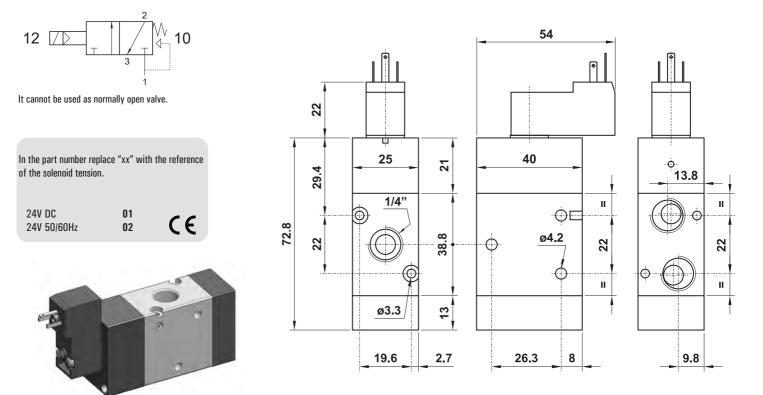
US321 ME MIC xx

3/2 1/8" NPT N/C with 15 mm solenoid pilot



US322 ME MIC xx

3/2 1/4" NPT N/C with 15 mm solenoid pilot

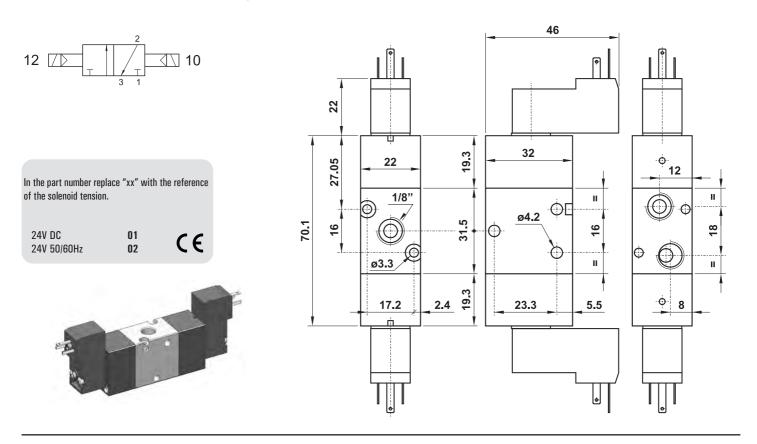




US321 EE MIC xx

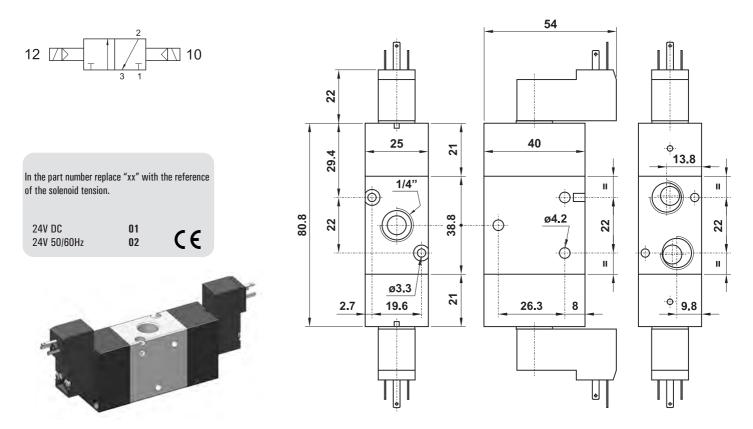
3/2 1/8" NPT with double 15 mm solenoid pilot

The valve is sold with mounted solenoid pilot(s); for technical data refer to page 191.



US322 EE MIC xx

3/2 1/4" NPT with double 15 mm solenoid pilot

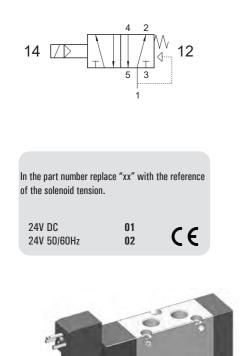


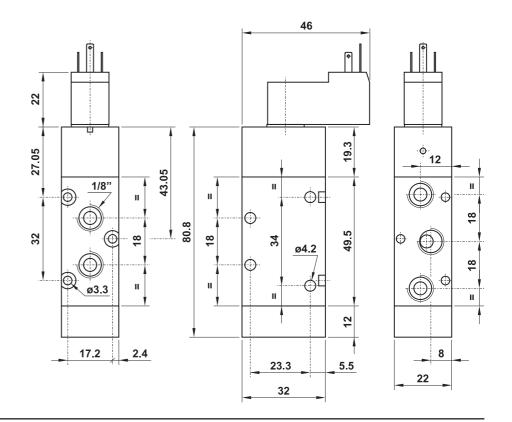


US521 ME MIC xx

5/2 1/8" NPT with 15 mm solenoid pilot

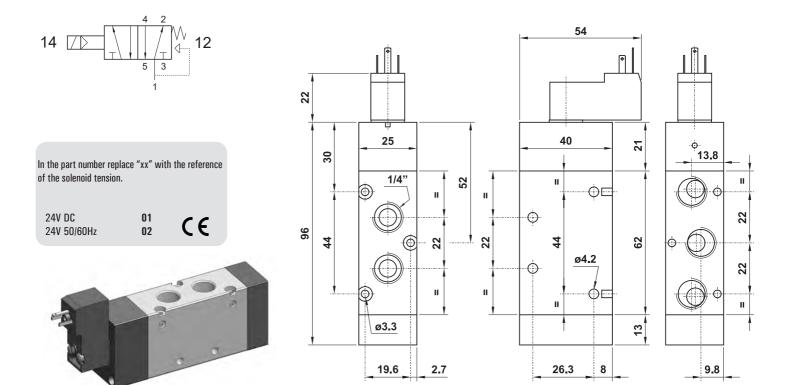
The valve is sold with mounted solenoid pilot(s); for technical data refer to page 191.





US522 ME MIC xx

5/2 1/4" NPT with 15 mm solenoid pilot

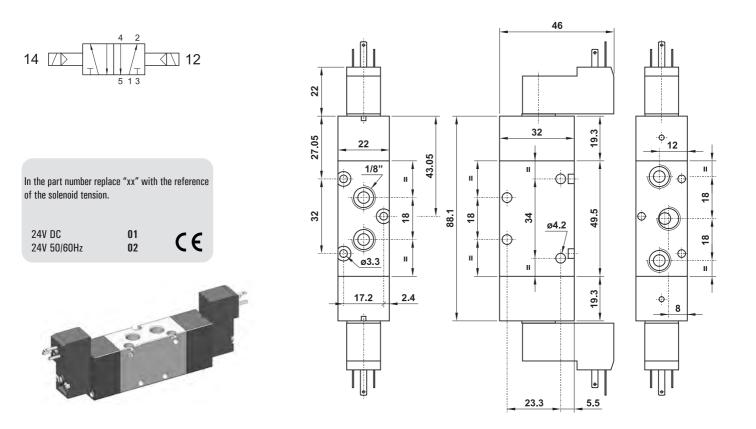




US521 EE MIC xx

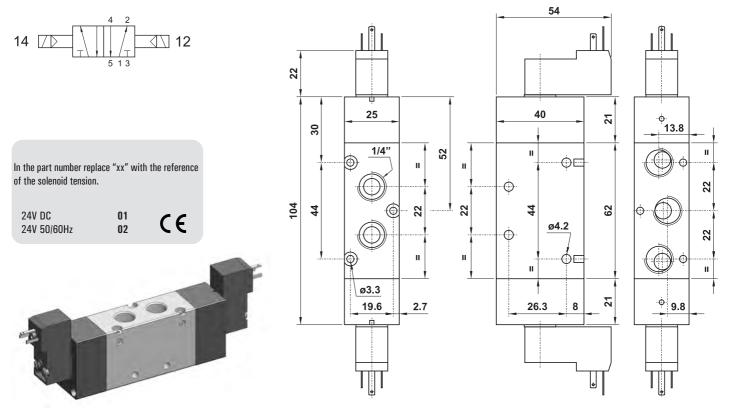
5/2 1/8" NPT with double 15 mm solenoid pilot

The valve is sold with mounted solenoid pilot(s); for technical data refer to page 191.



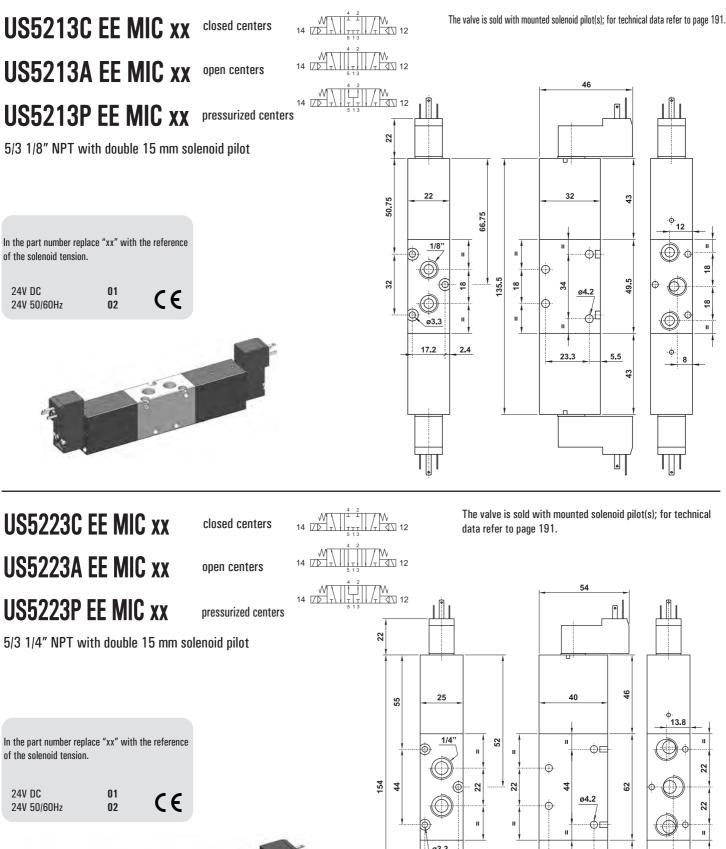
US522 EE MIC xx

 $5/2 \ 1/4'' \ NPT$ with double 15 mm solenoid pilot



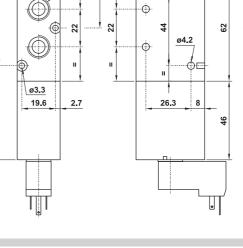
Solenoid actuated valves





151



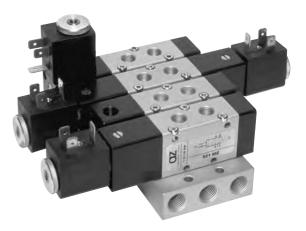


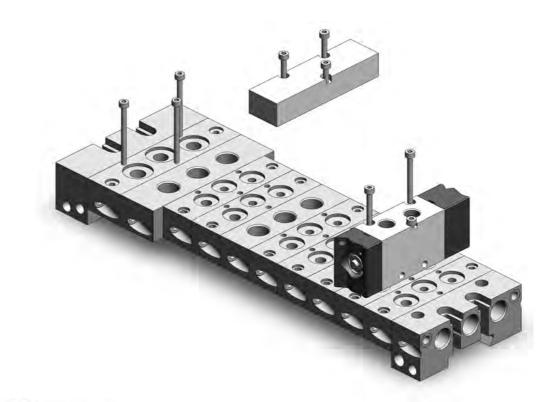
·^{...}9.8

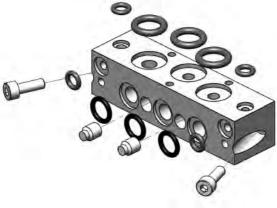
Manifolds for spool valves



- Multiple sub-bases for 1/8" NPT and 1/4" NPT spool valves, BSP version avaiable on request
- Manifolds for 1/8" NPT and 1/4" NPT spool valves
- Special manifolds on request
- Material: aluminium (anodize treatment)







ASSEMBLY EXAMPLE

Multiple sub-bases for spool valves



sub-base

	1/8″ NPT	1/8" NPT Atex	1/4" NPT	1/4" NPT Atex
A	80	80	95	95
В	22.5	31	26	31

Each sub-base is sold with all necessary components to install 1/8" NPT or 1/4" NPT valves.

ORDER CODES

07.039.2	for 1/8" NPT valves
07.008.2	for 1/8" NPT valves ATEX
07.052.2	for 1/4" NPT valves
07.060.2	for 1/4" NPT valves ATEX

intermediate header

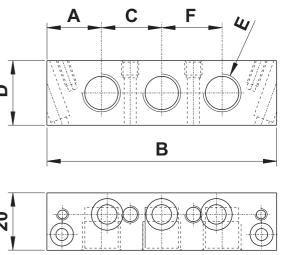
An intermediate header with separate air supply is available to be installed in a manifold system which requires mixed operating pressures. It can be used also to divide the common exhausts. It is sold with all necessaries components for installation.

ORDER CODES US07.040.2

blanking plate

for 1/8" NPT manifolds US07.053.2 for 1/4" NPT manifolds

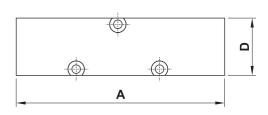
I		1/8" NPT	1/4" NPT	
[A	19	20	
	В	80	95	
	C	21	24	
	D	22.5	26	
	E	1/4″ NPT	3/8″ NPT	
	F	21	23	ر د



		1/8"NPT 00.078.2		
Α	80	60	95	70
D	22	22	25	25







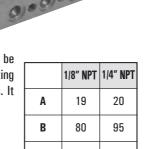
The blanking plate with screws is available to close manifold stations not in use.

ORDERD CODES

for 1/8" NPT multiple sub-bases
for 1/8" NPT manifolds
for 1/4" NPT multiple sub-bases
for 1/4" NPT manifolds



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Α

Multiple sub-bases for spool valves



80 1/8" NPT right inlet header 22 Œ M5 1/4" 6 ø4 50.4 Each manifold assembly requires a right and a left hand inlet header kit. Each inlet header is sold \bigcirc LO with all necessary components. 22 ဖ **ORDER CODE** 7.5 **M6** US07.009.2 right hand header for 1/8" NPT mounting hole for manifolds omega-profile 30 œ Ć

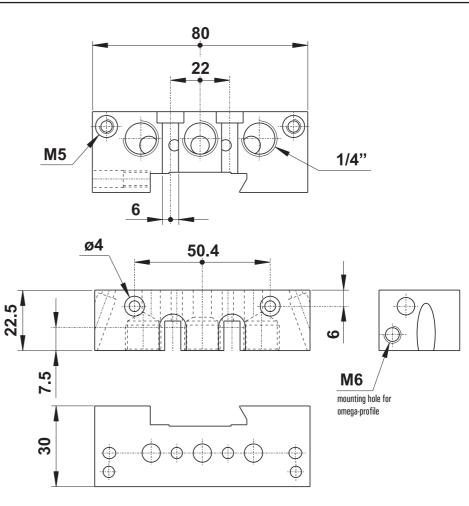
1/8" NPT left inlet header



Each manifold assembly requires a right and a left hand inlet header kit. Each inlet header is sold with all necessary components.

ORDER CODE

US07.010.2 left hand header for 1/8" NPT manifolds





1/4" NPT right inlet header



Each manifold assembly requires a right and a left hand inlet header kit. Each inlet header is sold with all necessary components.

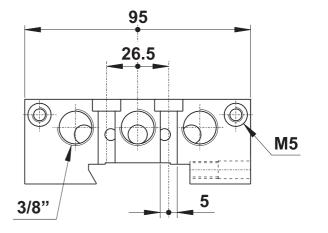
ORDER CODE

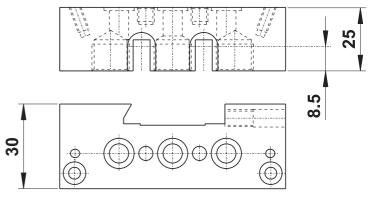
US07.054.2 manifolds

right hand header for 1/4" NPT









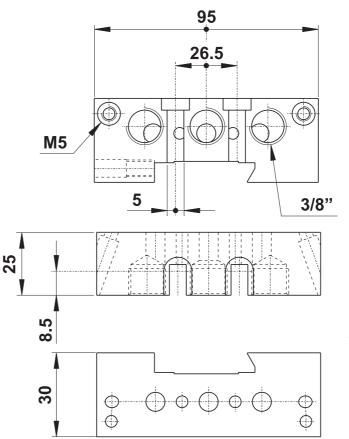
1/4" NPT left inlet header

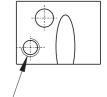


Each manifold assembly requires a right and a left hand inlet header kit. Each inlet header is sold with all necessary components.

ORDER CODE

US07.055.2 left hand header for 1/4" NPT manifolds





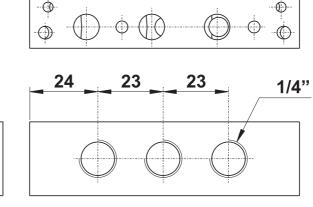
M6 mounting hole for omega-profile

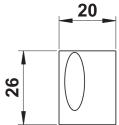


Æ

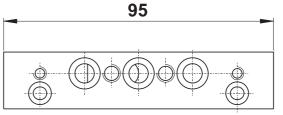
1/4"-1/8" NPT interface







This reduction sub-base is used to assemble 1/8" NPT valves on a 1/4" NPT manifold, creating a hybrid manifold. It provides extra 1/4" NPT-connections (close them by a plug if they are not necessary). It is sold in kit with all necessary components.



ORDER CODE US07.081.2

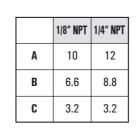
internal diaphragm

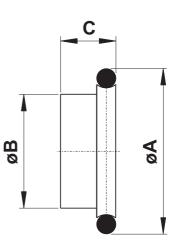
This diaphragm must be inserted between two elements of the manifold to interrupt the air flow and divide the manifold into two or more parts. It can be used to interrupt only the supply air flow, only the exhausts or both air supply and exhausts.

ORDER CODE

07.011.2	for 1/8" NPT manifolds
07.057.2	for 1/4" NPT manifolds







Manifolds for spool valves

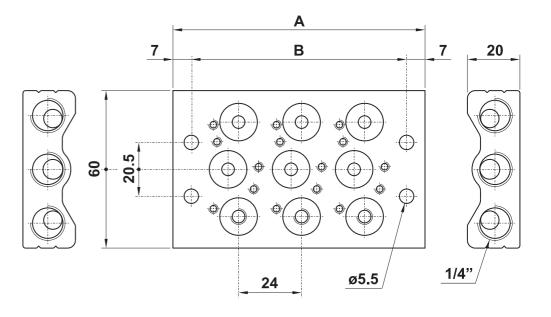


These manifolds can be used for the installation of three and five way valves, 1/8" NPT or 1/4" NPT. Each manifold is sold with all necessary pieces for installation. Unused stations can be closed with a blanking plate. Accessories (see next page) are available to obtain a separate air inlet or exhaust for certain valves.



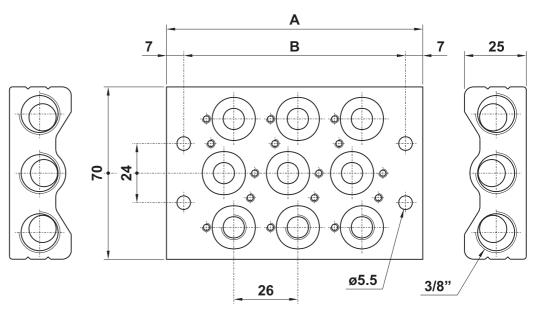
1/8" NPT

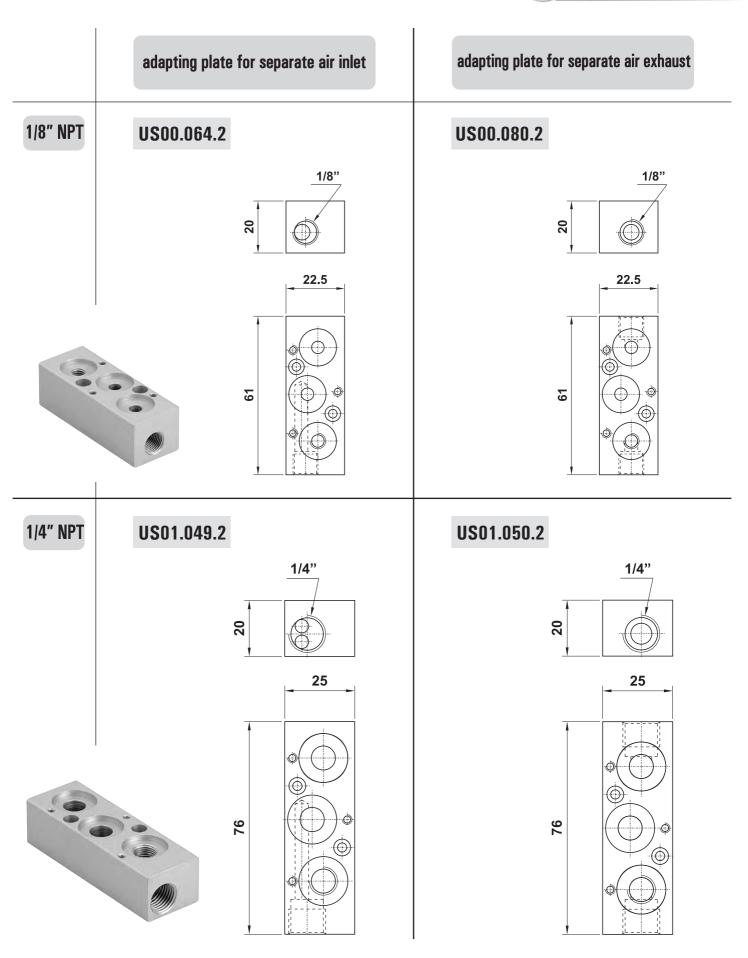
model	no. stations	A	В
US00.052.2	2	72	58
US00.053.2	3	96	82
US00.054.2	4	120	106
US00.055.2	5	144	130
US00.056.2	6	168	154
US00.057.2	7	192	178
US00.058.2	8	216	202
US00.059.2	9	240	226
US00.060.2	10	264	250
US00.081.2	11	288	274
US00.097.2	12	312	298



1/4" NPT

model	no. stations	A	В
US01.042.2	2	78	64
US01.043.2	3	104	90
US01.044.2	4	130	116
US01.045.2	5	156	142
US01.046.2	6	182	168
US01.047.2	7	208	194
US01.048.2	8	234	220
US01.051.2	9	260	246
US01.052.2	10	286	272

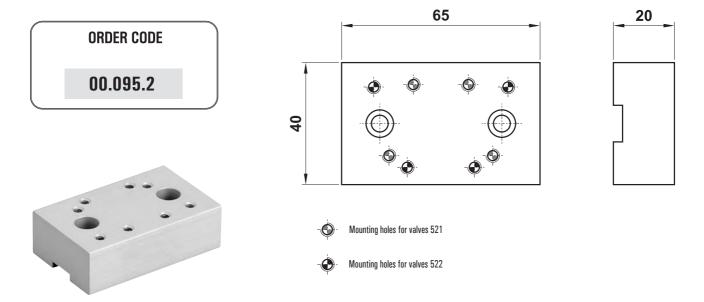




Each element is sold in kit with all necessary pieces for installation.



interface for cylinder ISO 6431

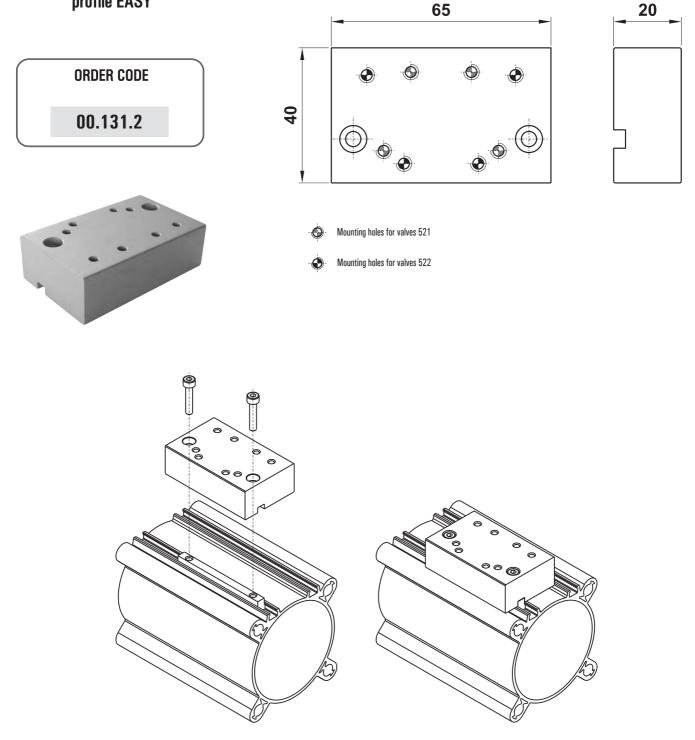


It can be used to install a valve 521 or 522 on a cylinder ISO 6431 from bore 32 to bore 100 (series N). It is sold with all necessary pieces for installation.

For the installation on the cylinder it is necessary to remove one end cap.



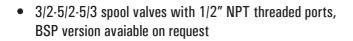
interface for cylinder ISO 6431 profile EASY



It can be used to install a valve 521 or 522 on a cylinder ISO 6431 from bore 32 to bore 125, PROFILE EASY (series E). It is sold with all necessary pieces for installation.

For the installation on the cylinder it is necessary to remove one end cap.

Solenoid actuated valves - 1/2" NPT



- Very high flow rate
- Installation in-line
- · Solenoid pilots with detented manual override as standard
- Multifunction feature
- Coils sold separately upon request

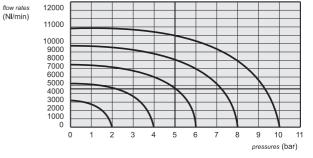
The following products are sold without coils. These can be bought separately (refer to page 208).

Spare parts

02.030.2 : for 3/2 way valves ME - ME AS - MC **02.031.2** : for 5/2 way valves ME - ME AS - MC **02.032.2** : for 3/2 way valves EE - EE AS - CC **02.033.2** : for 5/2 way valves EE - EE AS - CC **02.034.2** : for 5/3 way valves EE - EE AS - CC

Response times

mono-stable	TRA (14): 39 ms TRR (12): 60 ms
bi-stable	TRA (14): 90 ms TRR (12): 90 ms



Materials

<u>Body</u>: aluminium 11S <u>Springs</u>: stainless steel <u>Seals</u>: NBR <u>Spool</u>: stainless steel <u>Internal parts</u>: brass OT58

Nominal diameter		13 mm (0.5 in)	
Nominal flow rate at 6 bar (87 PSI), Δp 1 bar (14 PSI)		4600 NI/min (4.87 Cv)	
Temperature range		-15 +60°C (5-140°F)	
	mono-stable internal air supply	bi-stable internal air supply	separate air supply
Operating pressure	2.5 10 bar (36 145 PSI) 0.25 1 MPa	1 10 bar (14 145 PSI) 0.1 1 MPa	-0.9 10 bar (Vacuum 145 PSI) -0.09 1 MPa
		mono-stable	bi-stable
Actuating pressure (for separate air supply)		2.5 10 bar (36 145 PSI) 1 10 bar (14 145 PSI) 0.25 1 MPa 0.1 1 MPa	
Fluid		50 μ filtered, lubricat	ed or non lubricated air







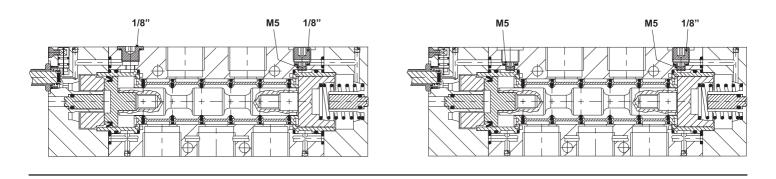


Multifunction feature of the valve

Valve functionality can be changed at any time. To do so, please re-collocate from its position either the M5 or 1/8" NPT plugs, which are inserted into the body according to the scheme. The valve is supplied according to the clients' needs on order. Interchangeable plugs must be ordered separately.

US324 ME US524 ME

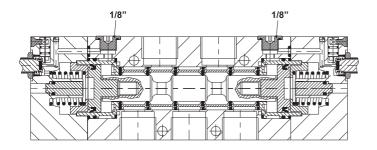
US324 ME AS US524 ME AS

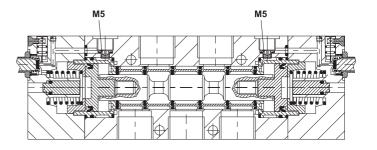




US5243C EE US5243A EE US5243P EE



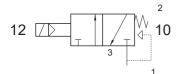






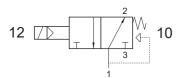
US324 ME

3/2 1/2" NPT N/C solenoid pilot - air and spring return



US324 MEA

3/2 1/2" NPT N/O solenoid pilot - air and spring return



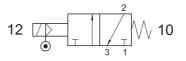
US324 EFP

12 77

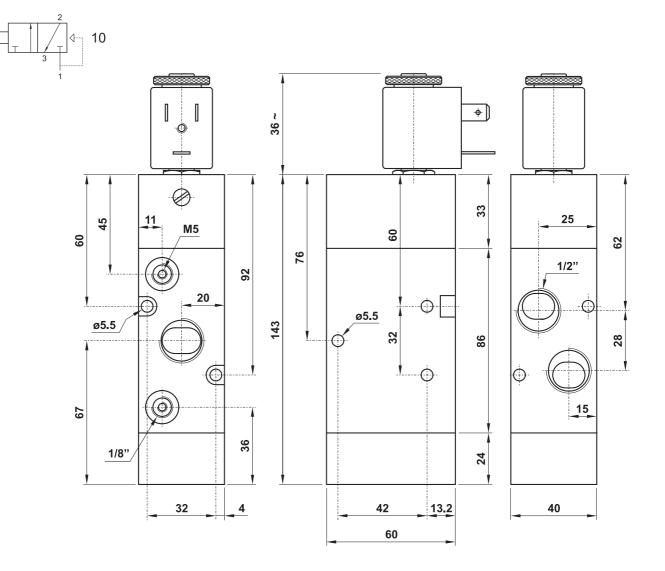
3/2 1/2" NPT N/C solenoid pilot - pneumatic spring return



3/2 1/2" NPT solenoid pilot with separate air supply - spring return



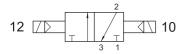






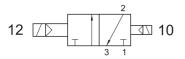
US324 EE

3/2 1/2" NPT double solenoid pilot



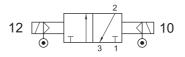
US324 EED

3/2 1/2" NPT double solenoid pilot - with differential

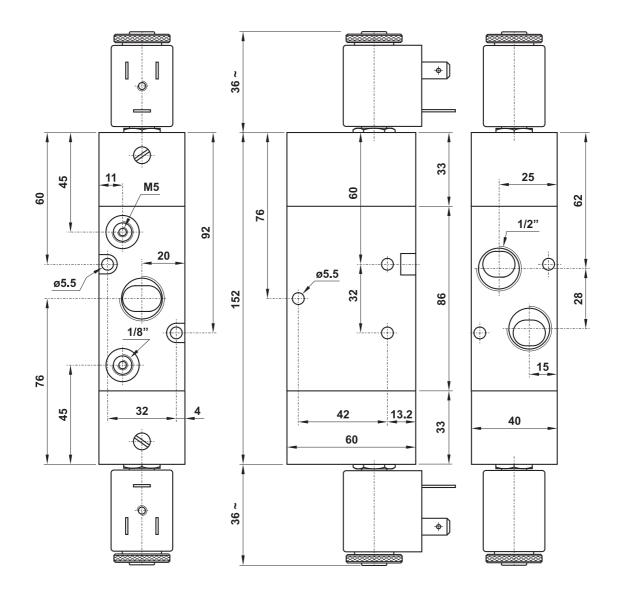




3/2 1/2" NPT double solenoid pilot with separate air supply



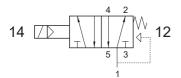






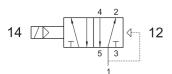
US524 ME

5/2 1/2" NPT solenoid pilot - air and spring return



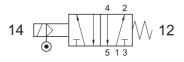
US524 EFP

5/2 1/2" NPT solenoid pilot - pneumatic spring return

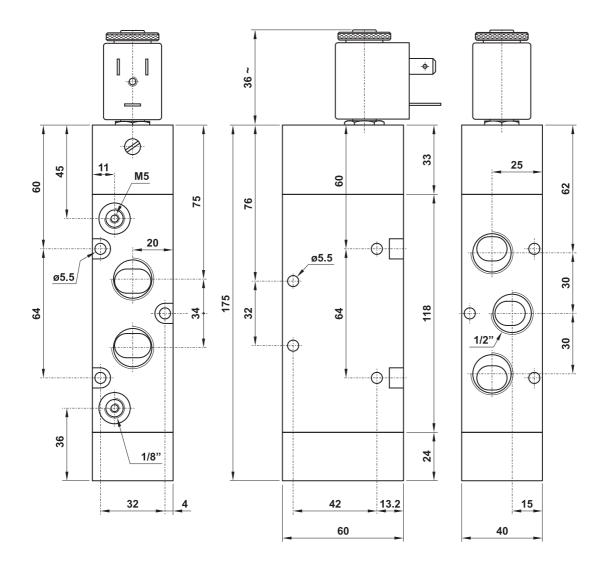


US524 ME AS

5/2 1/2" NPT solenoid pilot with separate air supply - spring return







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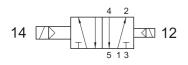


US524 EE

5/2 1/2" NPT double solenoid pilot

US524 EED

5/2 1/2" NPT double solenoid pilot - with differential



US524 EE AS

 $5/2 \ 1/2^{\prime\prime}$ NPT double solenoid pilot with separate air supply

14
$$\square$$



5/3 1/2" NPT double solenoid pilot

US5243C EE AS	closed centers	$14 \begin{array}{c} M \\ \hline T \\ \bullet \end{array} \begin{array}{c} 4 \\ 1 \\ 1 \\ \bullet \end{array} \begin{array}{c} 2 \\ 1 \\ \bullet \end{array} \begin{array}{c} 1 \\ T \\ \bullet \end{array} \begin{array}{c} 4 \\ T \\ \bullet \end{array} \begin{array}{c} 2 \\ T \\ \bullet \end{array} \begin{array}{c} 1 \\ T \\ T \\ \bullet \end{array} \begin{array}{c} 1 \\ T \\ T \\ \bullet \end{array} \begin{array}{c} 1 \\ T \\ T \\ T \end{array} \begin{array}{c} 1 \\ T \\ T \\ T \end{array} \begin{array}{c} 1 \\ T \\ T \\ T \end{array} \begin{array}{c} 1 \\ T \\ T \\ T \end{array} \begin{array}{c} 1 \\ T \\ T \end{array} \end{array} \begin{array}{c} 1 \\ T \\ T \\ T \end{array} \begin{array}{c} 1 \\ T \\ T \end{array} \end{array} \begin{array}{c} 1 \\ T \\ T \end{array} \begin{array}{c} 1 \\ T \\ T \end{array} \end{array} $ \end{array} \begin{array}{c} 1 \\ T \\ T \end{array} \end{array} \begin{array}{c} 1 \\ T \\ T \end{array} \end{array} \end{array} \begin{array}{c} 1 \\ T \\ T \end{array} \end{array} \end{array} \end{array} \begin{array}{c} 1 \\ T \\ T \end{array} \end{array} \end{array} \end{array} \begin{array}{c} 1 \\ T \\ T \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \begin{array}{c} 1 \\ T \\ T \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \begin{array}{c} 1 \\ T \\ T \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \begin{array}{c} 1 \\ T \\ T \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array} \end{array}
US5243A EE AS	open centers	14 $\overrightarrow{T}_{5 13}$ 12
US5243P EE AS	pressurized centers	

5/3 1/2" NPT double solenoid pilot with separate air supply



