

CONTROL

Valves and Solenoid valves Series 4

3/2, 5/2 and 5/3-way CC CO CP Ports G1/8 - G1/4 - G1/2



see table filtered air, without lubrication. If lubricated air is used, it is recommended to use ISOVG32 oil. Once applied the lubrication should never be interrupted.

Operating pressure

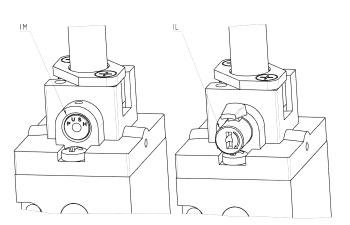
Fluid

CONTROL

CODI	NG EXAMPLE
4	5 4 - 015 - 22 - U 7 7
4	SERIES
5	NUMBER OF WAYS - POSITIONS: 3 = 3/2 NC 4 = 3/2 NO 5 = 5/2 6 = 5/3 CC 7 = 5/3 CO
4	PORTS: 8 = G1/8 4 = G1/4 2C = G1/2
015	ACTUATION: 011 = double solenoid (horizontal solenoids) V11 = double solenoid (vertical solenoids) for G1/4 port only 015 = single solenoid, spring return (horizontal solenoid) V15 = single solenoid, pneumatic spring return (vertical solenoid) for G1/4 port only 016 = single solenoid, pneumatic spring return (vertical solenoid) for G1/4 port only 33 = pneumatic pneumatic 34 = pneumatic differential 35 = pneumatic spring
22	SOLENOID INTERFACE:: 22 = mech. sol. 22 x 22 50 = mech. sol. 32 x 32 - only G1/2
U	SOLENOID MATERIAL: U = PET G = PA A6 = PPS H8 = PA 6 V0 A8 = PPS
7	SOLENOID DIMENSIONS: 6 = 32 x 32 solo G1/2 7 = 22 x 22 8 = 30 x 30 9 = 22 x 58
7	SOLENOID VOLTAGE: see solenoids section on page 2.2.35.01
	TYPE OF MANUAL OVERRIDE: = bistable, standard IL = bistable, lever type (available on demand) IM = monostable (available on demand)

TYPES OF MANUAL OVERRIDE

Example of solenoid valve with a bistable standard manual override.



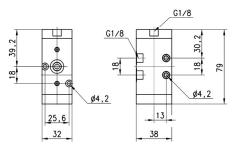
Example of solenoid monostable valve (IM) and bistable valve with a lever type manual override (IL). Both versions are available on demand. To order them it is necessary to add IM or IL at the end of the code. Code ex.: 454-015-22-U77IL.

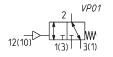
2/2.15.02

New

3/2-way valve, G1/8 port, monostable



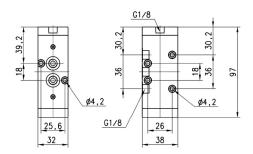




Mod.	Mounting	Function	Flow rate (NI/min)	min. pilot Pressure (bar)	Working pressure (bar)
438-35	in-line/on manifold	3/2 NC	700	2,5	0 ÷ 10



5/2-way valve, G1/8 port, monostable



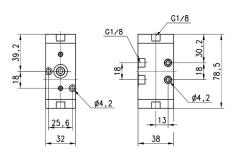
		VP04			
Mod.	Mounting	Function	Flow rate (NI/min)	min. pilot Pressure (bar)	Working pressure (bar)
458-35	in-line/on manifold	5/2	700	2,5	0 ÷ 10

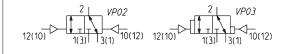


CONTROL

3/2-way valve, G1/8 port, bistable





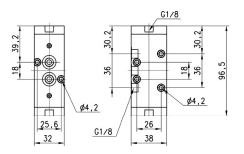


Mod.	Mounting	Function	Flow rate (NI/min)	min. pilot Pressure (bar)	Working pressure (bar)	Symbol
438-33	in-line/on manifold	3/2	700	2	0 ÷ 10	VP02
438-34	in-line/on manifold	3/2	700	2	0 ÷ 10	VP03



5/2-way valve, G1/8 port, bistable

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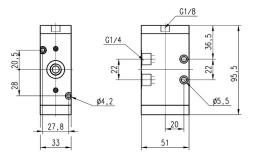
VP05 VP06 2 2 J<u>−</u> 12 14^C

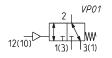
Mod.	Mounting	Function	Flow rate (NI/min)	min. pilot Pressure (bar)	Working pressure (bar)	Symbol
458-33	in-line/on manifold	5/2	700	2	0 ÷ 10	VP06
458-34	in-line/on manifold	5/2	700	2	0 ÷ 10	VP05

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3/2-way valve, G1/4 port, monostable



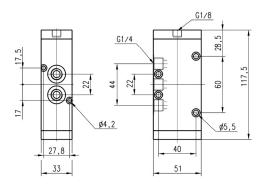




Mod.	Mounting	Function	Flow rate (NI/min)	min. pilot Pressure (bar)	Working pressure (bar)
434-35	in-line/on manifold	3/2 NC	1250	2,5	0 ÷ 10



5/2-way valve, G1/4 port, monostable



Mod.	Mounting	Function	Flow rate (NI/min)	min. pilot Pressure (bar)	Working pressure (bar)
454-35	in-line/on manifold	5/2	1250	2,5	0 ÷ 10

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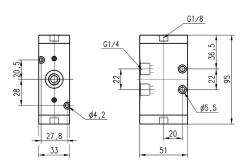
CATALOGUE > Release 8.6

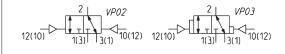


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3/2-way valve, G1/4 port, bistable







Mod.	Mounting	Function	Flow rate (NI/min)	min. pilot Pressure (bar)	Working pressure (bar)	Symbol
434-33	in-line/on manifold	3/2 NC	1250	2	0 ÷ 10	VP02
434-34	in-line/on manifold	3/2 NC	1250	2	0 ÷ 10	VP03



14^C

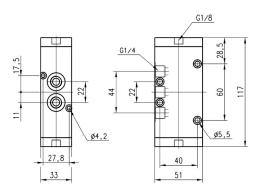
5/2-way valve, G1/4 port, bistable

VP05

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						Symbol
Mod. 454-33	in-line/on manifold	5/2	Flow rate (NI/min) 1250	min. pilot Pressure (bar)	Working pressure (bar) 0 ÷ 10	Symbol VP06

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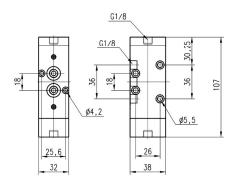
2 VP06

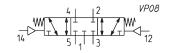
J<u>−</u> 12 CONTROL

5/3-way C.C. valve, G1/8, monostable, with central stable position

CC = Centres Closed





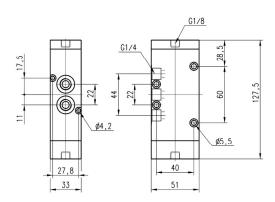


Mod.	Mounting	Function	Flow rate (NI/min)	min. pilot Pressure (bar)	Working pressure (bar)
468-33	in-line/on manifold	5/3 CC	700	2,5	0 ÷ 10

5/3-way CC CO valve, G1/4, monostable, central stable position

C C

CC = Centres Closed	
CO = Centres Open	



$14 \xrightarrow{14} 5 \xrightarrow{1} 13 \xrightarrow{1} 12 \xrightarrow{1} 14 \xrightarrow{1} 14 \xrightarrow{1} 12 \xrightarrow{1} 14 \xrightarrow{1} 14 \xrightarrow{1} 14 \xrightarrow{1} 14 \xrightarrow{1} 12 \xrightarrow{1} 14 \xrightarrow{1} 14 \xrightarrow{1} 14 \xrightarrow{1} 12 \xrightarrow{1} 14 \xrightarrow$					4 2 • • • • • • • • 5 • 1 • 3	
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Mod.	Mounting	Function	Flow rate (NI/min)	min. pilot Pressure (bar)	Working pressure (bar)	Symbol
464-33	in-line/on manifold	5/3 CC	1250	2,5	0 ÷ 10	VP08
474-33	in-line/on manifold	5/3 CO	1200	2,5	0 ÷ 10	VP09

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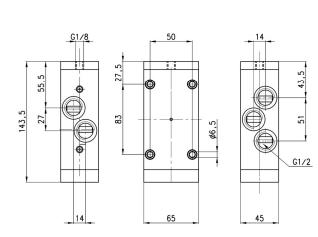
CATALOGUE > Release 8.6

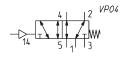


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5/2-way valve, G1/2 port, monostable



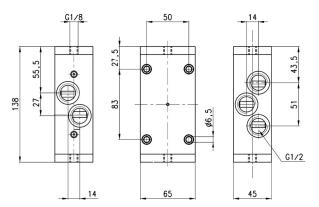




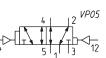
Mod.	Mounting	Function	Flow rate (NI/min)	min. pilot Pressure (bar)	Working pressure (bar)
452C-35	in-line	5/2	2500	2,5	0 ÷ 10



5/2-way valve, G1/2 port, bistable



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14	5 1	3 12	14	5 I



Mod.	Mounting	Function	Flow rate (NI/min)	min. pilot Pressure (bar)	Working pressure (bar)	Symbol
452C-33	in-line	5/2	2500	2	0 ÷ 10	VP06
452C-34	in-line	5/2	2500	2	0 ÷ 10	VP05

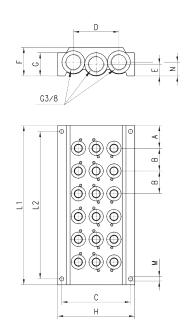
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Manifold base with common exhausts

For valves Series 4, G1/8 (3/2, 5/2 or 5/3-way) The following is supplied with:

- 1x manifold
- 1x pair of fixing screws for valve position
- 1x interface seal for valve positions
- 2x guides for valve position



DIMENSIONS												
Mod.	А	В	С	D	Е	F	G	Н	L1	L2	М	Ν
CNVL-42	28	33	69,5	46	12	29	23,5	78	89	77	4,3	14
CNVL-43	28	33	69,5	46	12	29	23,5	78	122	110	4,3	14
CNVL-44	28	33	69,5	46	12	29	23,5	78	155	143	4,3	14
CNVL-45	28	33	69,5	46	12	29	23,5	78	188	176	4,3	14
CNVL-46	28	33	69,5	46	12	29	23,5	78	221	209	4,3	14

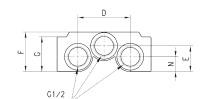


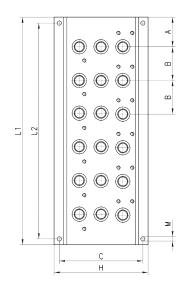
Manifold base with common exhausts

For valves Series 4, G1/4 (3/2, 5/2 or 5/3-way) The following is supplied :

1x manifold

- 1x pair of fixing screws for valve position
- 1x interface seal for valve positions
- 2x guides for valve position





DIMENSIC	NS											
Mod.	А	В	С	D	Е	F	G	Н	L1	L2	М	N
CNVL-52	30	34	84,5	53	26	40	35	95	94	82	4,3	15
CNVL-53	30	34	84,5	53	26	40	35	95	128	116	4,3	15
CNVL-54	30	34	84,5	53	26	40	35	95	162	150	4,3	15
CNVL-55	30	34	84,5	53	26	40	35	95	196	184	4,3	15
CNVL-56	30	34	84,5	53	26	40	35	95	230	218	4,3	15

CONTROL

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CONTROL

Blanking plate for CNVL manifolds The plate closes the positions that are not used. The following is supplied: 000 17 2x fixing screws 3x O-Rings В М C œ ٩ DIMENSIONS Mod. М Р Q R А В Н 1 CNVL/2 (series 4-1/8) 5 25,6 52 32 4,2 17 18 17 CNVL/3 (series 4-1/4) 5 27,8 70 32,5 4,2 7,5 3,5 59 Blanking plug for TCNVL manifolds The following is supplied: 1x blanking plug 1x O-Ring DIMENSIONS Mod. Series TCNVL/3 4 G1/8

4 G1/4

TCNVL/5