

Series 3 valves and solenoid valves

2x3/2, 3/2, 5/2 and 5/3-way CC CO CP

Ports: G1/8 and G1/4







Series 3 solenoid valves with G1/8 and G1/4 ports have been designed in the 3/2, 2 x 3/2, 5/2, 5/3 versions and with the following two devices of actuation:

- Electropneumatically actuated with mechanical spring return
- Electropneumatically actuated with external and internal air pressure supply

Series 3 valves are equipped with a manual override which allows a stable operation and they can use Series U or G solenoids (22x22).

Pneumatically actuated valves 3/2 NC become NO when the supply is on connection 3.

GENERAL DATA

Construction spool - type

2x3/2 - 3/2 - 5/2 - 5/3-way CC CO CP Valve group Materials AL body, stainless steel spool, NBR seals

Ports G1/8 - G1/4 Installation in any position

Operating temperature $0 \div 60^{\circ}\text{C}$ (with dry air at -20°C)

Operating pressure see tables

Fluid filtered air, without lubrication. If lubricated air is used, it is recommended to use ISOVG32 oil. Once applied the lubrication should

never be interrupted.

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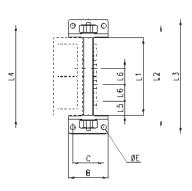
Manifold bars with separate exhausts (low version)



The following is supplied: 2x feet 1x manifold

1x plug





DIMENSION	S															
Mod.	Nr of valves	Α	В	С	D	ØE	F	G	R	L1	L2	L3	L4	L5	L6	Suitable for Series
CNV-318-2	2	73	56	44	5	7	178	83	G1/4	63	97	115	99	20	23	3 - G1/8
CNV-318-3	3	73	56	44	5	7	178	83	G1/4	86	120	138	119	20	23	3 - G1/8
CNV-318-4	4	73	56	44	5	7	178	83	G1/4	109	143	161	142	20	23	3 - G1/8
CNV-318-5	5	73	56	44	5	7	178	83	G1/4	132	166	184	165	20	23	3 - G1/8
CNV-318-6	6	73	56	44	5	7	178	83	G1/4	155	189	207	188	20	23	3 - G1/8

The fixing screws of the valves Mod. 1631 01-1/8 must be ordered separately.

Manifold bars with separate exhausts (high version)



The following is supplied:

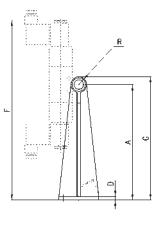
2x feet

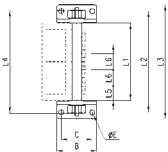
1x manifold

1x inlet fitting

1x plug

4x washers





DIMENSION	S															
Mod.	Nr of valves	Α	В	С	D	ØE	F	G	R	L1	L2	L3	L4	L5	L6	Suitable for Series
CNV-328-2	2	118	56	44	5	7	223	128	G1/4	63	97	115	99	20	23	3 - G1/8
CNV-328-3	3	118	56	44	5	7	223	128	G1/4	86	120	138	119	20	23	3 - G1/8
CNV-328-4	4	118	56	44	5	7	223	128	G1/4	109	143	161	142	20	23	3 - G1/8
CNV-328-5	5	118	56	44	5	7	223	128	G1/4	132	166	184	165	20	23	3 - G1/8
CNV-328-6	6	118	56	44	5	7	223	128	G1/4	155	189	207	188	20	23	3 - G1/8

The fixing screws of the valves Mod. 1631 01-1/8 must be ordered separately.

SERIES 3 VALVES AND SOLENOID VALVES

Initial / final Module with three positions - Mod. CNVL-...



The following is supplied:
3x interface O-Rings manifold/manifold;

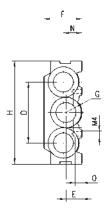
2x fixing nuts;

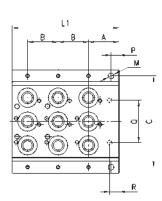
2x junction plugs;

9x interface seals valve/manifold (CNVL-3H3)

or 3x interface seals valve/manif. (CNVL-4H3);

6x fixing screws for valves





DIMENSION	S														
Mod.	Α	В	С	D	Ε	F	Н	L1	М	N	0	Р	Q	R	G
CNVL-3H3	23	23	69,2	46	12	29	78	80,5	4,3	14	5	6	32	7	3/8
CNVL-4H3	26	26	88	60	14	29	98	91	4,3	-	5	5	38	7	1/2

CNVL-3H3: for Series 3, G1/8 CNVL-4H3: for Series 3, G1/4

Initial / final Module with 2 positions - Mod. CNVL-...



Initial module with 2 positions

The following is supplied:

3x interface O-Rings manifold/manifold;

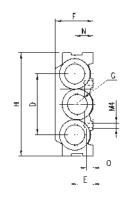
2x fixing nuts;

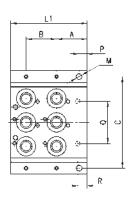
2x junction plugs;

6x interface seals valve/manifold (CNVL-3H2)

or 2x interface seals valve/manif. (CNVL-4H2);

4x fixing screws for valves





DIMENSION	S														
Mod.	Α	В	С	D	E	F	Н	L1	М	N	0	Р	Q	R	G
CNVL-3H2	23	23	69,2	46	12	29	78	57,5	4,3	14	5	6	32	7	3/8
CNVL-4H2	26	26	88	60	14	29	98	65	4,3	-	5	5	38	7	1/2

CNVL-3H2: for Series 3, G1/8 CNVL-4H2: for Series 3, G1/4

Intermediate module with 3 positions - Mod. CNVL-...



The following is supplied:

3x interface O-Rings manifold/manifold;

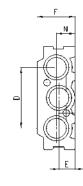
2x fixing nuts;

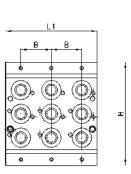
2x junction plugs;

9x interface seals valve/manifold (CNVL-3I3)

or 3x interface seals valve/manif. (CNVL-4I3);

6x fixing screws for valves





DIMENSIONS	5						
Mod.	В	D	Е	F	Н	L1	N
CNVL-313	23	46	12	29	78	69	14
CNVL-413	26	60	14	29	98	78	-

CNVL-3I3: for Series 3, G1/8 CNVL-4I3: for Series 3, G1/4

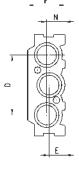
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Intermediate module with 2 positions - Mod. CNVL-...



The following is supplied:

- 3x interface O-Rings manifold/manifold;
- 2x fixing nuts;
- 2x junction plugs;
- 6x interface seals valve/manifold (CNVL-312)
- or 2x interface seals valve/manif. (CNVL-4I2);
- 4x fixing screws for valves



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CNVL-3I2: for Series 3, G1/8 CNVL-4I2: for Series 3, G1/4

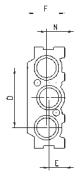
DIMENSIONS	5						
Mod.	В	D	E	F	Н	L1	N
CNVL-312	23	46	12	29	78	46	14
CNVL-412	26	60	14	29	98	52	-

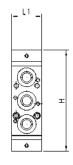
Intermediate module with 1 position - Mod. CNVL-...



The following is supplied:

- 3x interface O-Rings manifold/manifold;
- 2x fixing nuts;
- 2x junction plugs;
- 3x interface seals valve/manifold (CNVL-3I1)
- or 1x interface seal valve/manif. (CNVL-4I1);
- 2x fixing screws for valves





DIMENSION:	5					
Mod.	D	E	F	Н	L1	N
CNVL-311	46	12	29	78	23	14
CNVL-4I1	60	14	29	98	26	-

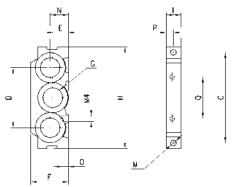
CNVL-311: for Series 3, G1/8 CNVL-411: for Series 3, G1/4

Terminal module Mod. CNVL-*H



The following is supplied: 2x fixing nuts





DIMENSIO	NS											
Mod.	С	D	E	F	Н	I	М	N	0	Р	Q	G
CNVL-3H	69,5	46	12	29	78	11,5	4,3	14	5	6	32	3/8
CNVL-4H	88	60	14	29	98	13	4.3	-	5	8	29	1/2

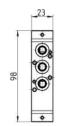
CNVL-3H: for Series 3, G1/8 CNVL-4H: for Series 3, G1/4

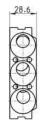
Interface module manifold between Series 3 G1/8 and G1/4



The following is supplied:

- 3x interface seal
- 2x screws
- 2x pins
- 4x plugs
- 6x O-Rings





Mod.
CNVL-4H-3H

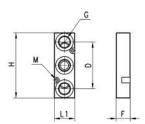
It is possible to seat 1 valve, series 3 with G1/8 port.

SERIES 3 VALVES AND SOLENOID VALVES

Intermediate plate for additional inlet and exhaust pressure



The following is supplied: 3x O-Rings 2x fixing screws



DIMENSION	IS						
Mod.	G	Н	M	F	L1	D	F
CNVL-3P	G1/4	70	3.2	29	22	50	15
CNVL-4P	G1/4	73	3.2	29	25	50	20

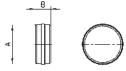
CNVL-3P: for Series 3, G1/8 CNVL-4P: for Series 3, G1/4

Separation diaphragm



For separation of channel: 1 - 3 - 5.

The following is supplied: 1x diaphragm



DIMENSIONS			
Mod.	А	В	
CNVL-3H-TP	15.6	6	for Series 3, G1/8
CNVL-4H-TP	23.8	8	for Series 3, G1/4

Blanking plug Mod. TCNVL for manifolds



The following is supplied: 1x blanking plug 1x O-Ring



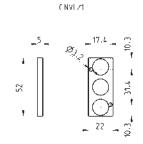
Mod.	
TCNVL/3	for Series 3, G1/8
TCNVL/5	for Series 3, G1/4

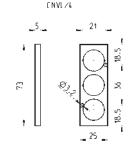
Blanking plate Mod. CNVL for manifolds



It is used to blank vacant positions of a manifold.

The following is supplied: 2x fixing screws 3x O-Rings





Mod.	
CNVL/1	for Series 3, G1/8
CNVL/4	for Series 3, G1/4