- **Port size: CNOMO Interface and G1/8 ported**
- **32 mm compact design**
- **Fully encapsulated coil**
- **Extensive range of power and orifice sizes**
- **Wide voltage tolerance band**
- **Wide temperature range**
- **Shock and vibration tested to EN 61373, Category 1, class A and B**

EN 61373

+80°C (+176°F)

-40°C (-40°F)

Technical features

Medium:
Compressed air lubricated or non-lubricated, water
Operation:
Solenoid direct operated poppet valve
Operating pressure:
0 ... 16 bar (0 ... 232 psi)

Orifice:
1 ... 2,5 mm
Port size/mounting:
CNOMO Interface and G1/8 ported
Bottom interface versions available on request.

Ambient/Media temperature:
-40 ... +80°C (-40 ... 176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Valve base:
Interface: Polyester
CNOMO: Nylon
G1/8: epoxy powder coated zinc alloy
Coil: glass reinforced nylon
Internal parts: stainless steel
Seals: NBR (FKM top seat)

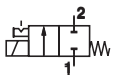
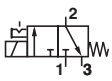
Technical data – solenoid operators

Nominal voltages	12, 24, 37.5, 52, 74, 96, 110 Volts
Power consumption	4, 6 or 8 Watt
Voltage tolerance	±30% of nominal
Duty cycle	100% ED
Opening/closing time	15 ... 30/5 ... 10 ms
Electrical connection	DIN EN 175301-803 (DIN 43650) Form A

Protection class	IP65 (with plug fitted)
Manual override	Screw turn and lock *1)
Low voltage directive	2006/95/EC
EMC directive	2004/108/EC
PE directive	97/23/EC
Fire and smoke	NFF 16-101

*1) Rotational lever or without manual override on request.

Technical data - Standard options

Symbol	Basic valve	Function	Power (W)	Orifice (mm)	Flow (l/min)	Operating pressure (bar)	Weight (kg)	Dimension No.	Model
	G 1/8	NC	4	1,5	75	16	0,27	1	VRW4101111/**N
	CNOMO	NC	4	1,5	77	16	0,22	2	VRW4104111/**N
	G 1/8	NC	8	2,0	104	16	0,27	1	VRW8101121/**N
	CNOMO	NC	8	2,0	89	16	0,22	2	VRW8104121/**N
	G 1/8	NC	8	2,5	152	10	0,27	1	VRW8101131/**N
	CNOMO	NC	8	2,5	123	10	0,22	2	VRW8104131/**N
	G 1/8	NC	4	1,5	75	16	0,27	3	VRW4201111/**N
	CNOMO	NC	4	1,5	77	16	0,22	4	VRW4204111/**N
	G 1/8	NC	8	2,0	104	16	0,27	3	VRW8201121/**N
	CNOMO	NC	8	2,0	89	16	0,22	4	VRW8204121/**N
	G 1/8	NC	8	2,5	152	10	0,27	3	VRW8201131/**N
	CNOMO	NC	8	2,5	123	10	0,22	4	VRW8204131/**N

** = Insert voltage code, see page 2. Other options are available, please contact our technical service.

Option selector

VRW★★0★★★1/★★N

Note: Standard available power, and orifice options are listed above

Power	Substitute
4 Watt	4
6 Watt	6
8 Watt	8
Function	**Substitute**
2/2 Normaly closed (NC)	1
3/2 Normaly closed (NC)	2
Connection/interface	**Substitute**
G1/8	1
CNOMO	4
Bottom interface (on request)	
Manual overide	**Substitute**
Screw driver turn lock	1
Lever (on request)	
Push only (on request)	
None (on request)	

Voltage	Substitute
12 V d.c.	12
24 V d.c.	24
37,5 V d.c.	37
52 V d.c.	52
74 V d.c.	74
96 V d.c.	96
110 V d.c.	11
Orifice	**Substitute**
1,0 mm	0
1,5 mm	1
2,0 mm	2
2,5 mm	3

Note:
1,0 mm available with 4 Watt
1,5 mm available with 4 and 6 Watt
2,0 and 2,5 mm available with 8 Watt

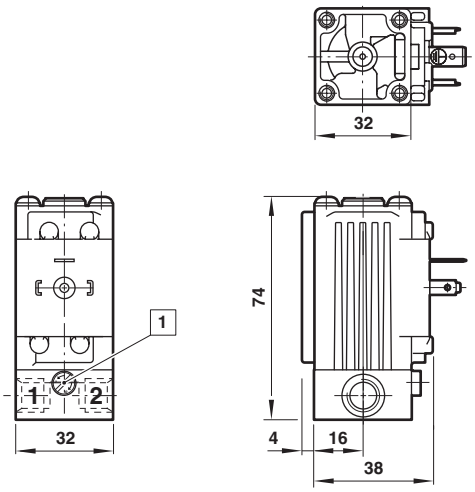
Accessories

Connector	Connector with moulded cable
	
0570275	M/P 43315/1 (1 m)
	M/P 43315/3 (3 m)

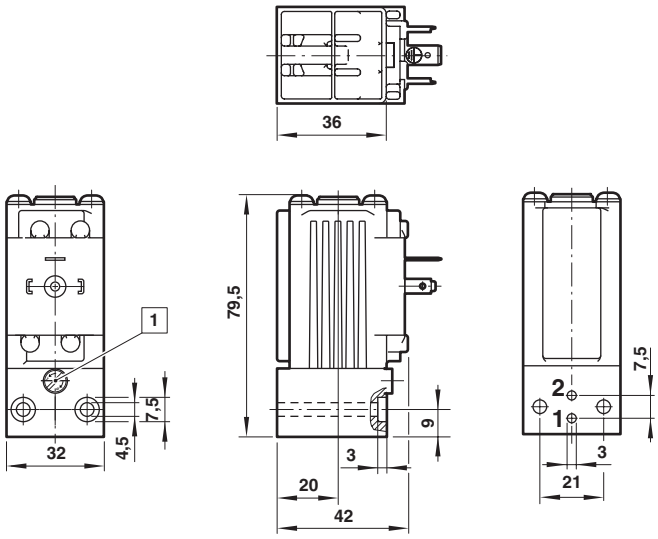
Dimensions
2/2 way valves

Dimensions in mm
Projection/First angle

1 G1/8 thread



2 CNOMO interface



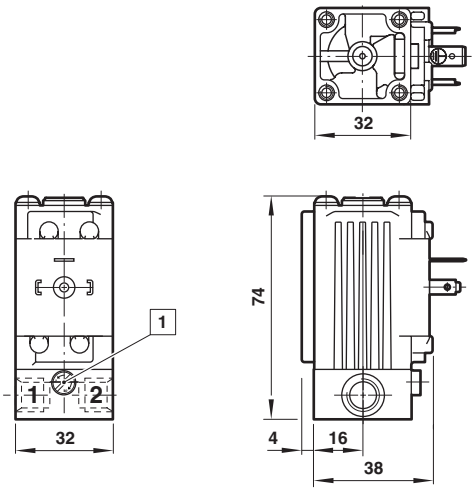
1 Manual override

Two M4 x 35 mm fixing screws included as standard in scope of supply.

Dimensions
3/2 way valves

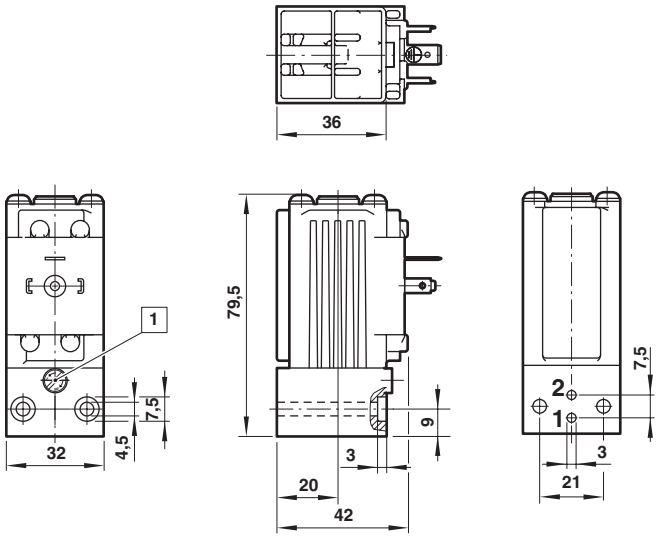
Dimensions in mm
Projection/First angle

3 G1/8 thread



1 Manual override
2 G1/8 exhaust port

4 CNOMO interface



Two M4 x 35 mm fixing screws included as standard in scope of supply.

Warning

These products are intended for use in industrial compressed air and rail transport systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/data«**.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.