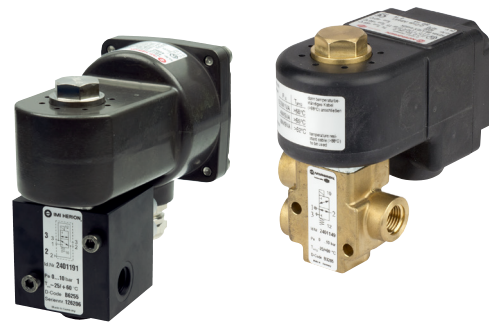


- > **Port size: 1/4"**
(ISO G or NPT),
NAMUR Interface
- > **Main application:**
Single and double
acting actuators
- > **TÜV-approval based**
on type examination
DGRL 2014/68/EU and
IEC 61508, multichannel
up to SIL 3 (12 years)

- > **Add-on manual over-
ride or inductive limit
switches on request**
- > **Suited for outdoor use
under critical
environment
conditions.**
- > **Variable valve solenoid
combination**



Technical features

Medium:

Compressed air, filtered, non-lubricated and dry. Other gase and liquid fluids on request. (Viscosity for gaseous or liquid fluids up to 40 mm²/s)

Operation:

Direct solenoid operated poppet valve

Operating pressure:

0 ... 10 bar (0 ... 145 psi)

Orifice:

5 mm

Flow:

Gaseous fluids: 340 l/min
Liquid fluids: Cv 0,34

Port size:

G1/4, 1/4 NPT
NAMUR Interface with integrated recirculation from the exhaust air to the acuator spring chamber

Flow direction:

Optional

Mounting position:

Any, but preferably with solenoid vertical

Ambient/Media temperature:

NBR80 (Standard):
-25 ... +80°C (-13 ... +176°F)
FKM:
-10...+120°C (+14 ... +248°F)
Water +95°C (+203°F)
NBR70 (Low temperature):
-40... +60°C (-40 ... +140°F)
Depending on solenoid system
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (35°F).
For outdoor installations must be protected all connections against the penetration of moisture and a solenoid with IP66 protection must be used!

Materials:

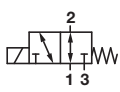
Body: Aluminium anodized (suitable for high humidity, sulphuric, sodium chloride or ammonia environments), brass 2.0401 (Ms 58) or stainless steel 1.4404 (316 L)
Seal: FKM, NBR80, NBR70
Inner parts: stainless steel, brass

Flow conversion:

Cv US Gallon/min (water) =
l/min (air) x 0,001
Kv m³/h (water) =
l/min (air) x 0,000906

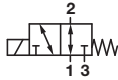
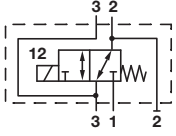
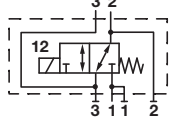
Technical data

Housing: Brass

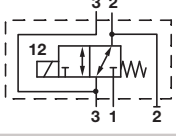
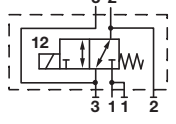
Symbol	Port size	Operating pressure (bar)	Operating pressure (psi)	Material Seat seal	Manual override	Test certificate IEC 61508	Test certificate 2014/68/EU	Weight (kg)	Drawing No.	Solenoid group	Model *1)
	G1/4	0 ... 10	0 ... 145	NBR80	Not possible	X	—	0,65	1	A + B	2401103
	G1/4	0 ... 10	0 ... 145	NBR80	Without detent	X	—	0,70	1	A + B	2401107
	G1/4	0 ... 10	0 ... 145	NBR80	With detent	—	—	0,70	1	A + B	2401119
	G1/4	0 ... 10	0 ... 145	NBR80	Not possible	X	X	0,65	1	A + B	2401149
	G1/4	0 ... 10	0 ... 145	FKM	Not possible	X	—	0,65	1	A + B	2401126
	G1/4	0 ... 10	0 ... 145	NBR70	Not possible	X	—	0,65	1	A + B	2401153
	G1/4	0 ... 10	0 ... 145	NBR70	Semi automatic	X	—	0,70	1	A + B	2401154
	1/4 NPT	0 ... 10	0 ... 145	NBR80	Not possible	X	X	0,65	1	A + B	2401138
	1/4 NPT	0 ... 10	0 ... 145	NBR80	Without detent	X	—	0,70	1	A + B	2401148
	1/4 NPT	0 ... 10	0 ... 145	NBR80	With detent	—	—	0,70	1	A + B	2401136
	1/4 NPT	0 ... 10	0 ... 145	NBR80	Semi automatic	X	—	0,70	1	A + B	2401140
	1/4 NPT	0 ... 10	0 ... 145	FKM	Not possible	X	—	0,65	1	A + B	2401131
	1/4 NPT	0 ... 10	0 ... 145	NBR70	Not possible	X	—	0,65	1	A + B	2401106
	1/4 NPT	0 ... 10	0 ... 145	NBR70	Without detent	X	—	0,70	1	A + B	1025226

*1) When ordering please indicate solenoid, voltage and current type (frequency).

Housing: Stainless steel

Symbol	Port size	Operating pressure (bar)	Material Seat seal	Manual override	Test certificate		Weight (kg)	Drawing No.	Solenoid group	Model *1)
					IEC 61508	2014/68/EU				
	G1/4	0 ... 10	NBR80	Not possible	X	X	0,65	2	A + B	2401186
	G1/4	0 ... 10	FKM	Not possible	—	—	0,70	2	A	2401127 *2)
	G1/4	0 ... 10	FKM	Without detent	—	—	0,70	2	A	2401170 *2)
	G1/4	0 ... 10	FKM	With detent	—	—	0,70	2	A	2401139 *2)
	G1/4	0 ... 10	NBR70	Not possible	—	X	0,65	2	A	2401155 *2)
	1/4 NPT	0 ... 10	NBR80	Not possible	X	X	0,65	2	A + B	2401112
	1/4 NPT	0 ... 10	FKM	Semi automatic	—	—	0,70	2	A + B	2401146
	1/4 NPT	0 ... 10	FKM	Not possible	X	—	0,65	2	A + B	1025227
	1/4 NPT	0 ... 10	FKM	Not possible	—	—	0,65	2	A	2401147 *2)
	1/4 NPT	0 ... 10	NBR70	Not possible	—	X	0,65	2	A	2401168 *2)
	G1/4 NAMUR	0 ... 10	NBR80	Without	X	—	1,00	2	A + B	2401196
	G1/4 NAMUR	0 ... 10	NBR70	Without	—	—	1,00	2	A	2401142
	G1/4 NAMUR	0 ... 10	NBR80	Without	X	X	1,00	3	A + B	1025212 *3)
	1/4 NPT NAMUR	0 ... 10	NBR80	Without	X	X	1,00	3	A + B	1025328 *3)

Housing: Aluminium anodized

Symbol	Port size	Operating pressure (bar)	Material Seat seal	Manual override	Test certificate		Weight (kg)	Drawing No.	Solenoid group	Model *1)
					IEC 61508	2014/68/EU				
	G1/4 NAMUR	0 ... 10	NBR80	Without	X	X	0,55	3	A + B	2401191
	G1/4 NAMUR	0 ... 10	NBR80	Without	X	X	0,55	3	A + B	2401116 *4)
	G1/4 NAMUR	0 ... 10	NBR80	Without	—	—	0,70	5	A + B	1025333 *5)
	1/4 NPT NAMUR	0 ... 10	NBR80	Without	X	X	0,55	3	A + B	1025254
	G1/4 NAMUR	0 ... 10	NBR70	Without	X	—	0,55	3	A + B	2401133
	G1/4 NAMUR	0 ... 10	NBR80	Without	X	X	0,55	4	A + B	2401109 *3)

*1) When ordering please indicate solenoid, voltage and current type (frequency).

*2) Complete stainless steel version

*3) Port P in flange according to VDI/VDE 3845 for attachment of positioners or to interlinking plate (see data sheet N/en 5.8.300)

*4) Free of non-ferrous metals

*5) Proximity switch