

- > **Port size: 1/4"**
(ISO G or NPT), G1/2
- > **Working from 0 bar up**
- > **Short switching times**
- > **Suited for fine vacuum**
down to $1,33 \times 10^{-2}$ mbar
- > **For a.c. solenoid systems with integrated rectifier (40 ... 60 Hz)**
- > **Variable valve solenoid combination**



Technical features

Medium:

For neutral gaseous and liquid fluids (with contaminated fluids, upstream installation of a dirt trap is recommended)

Operation:

Direct solenoid operated poppet valve

Operating pressure:

0 ... 40 bar (0 ... 580 psi)

Orifice:

1,5 ... 12 mm

Port size:

G1/4, G1/2, 1/4 NPT

Flow direction:

Fixed

Mounting position:

Optional, preferably with solenoid on top

Ambient/Media temperature:

NBR:

-25 ... +80°C (-13 ... +176°F)

FPM:

-10...+120°C (+14 ... +248°F)

Water +95°C (+203°F)

EDPM:

-40...+140°C (-40 ... +284°F)

FFPM:

-10...+140°C (+14 ... +284°F)

PTFE:

-50...+180°C (-58 ... +356°F)

Depending on solenoid system and seal materials.

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Material:

Housing: brass 2.0401 (Ms 58)

Seals: NBR

other see option selector

Inner parts: stainless steel 1.4104 (430 F), brass 2.0401 (Ms 58)

Further versions

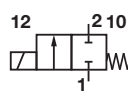
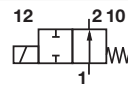
Operating pressure to 50 bar;
Seat seals FPM, EPDM, FFPM, PTFE, Rubin;
Assembled oil and grease-free

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, Seals: NBR -25 ... +80°C (-13 ... +176°F)

Symbol	Port size	Orifice (mm)	Flow (l/min)	Operating pressure		Weight		Dimension No.	Solenoid group	Model *1)
				(bar)	(psi)	(kg)	(lbs)			
	G1/4	1,5	70	0 ... 40	0 ... 580	0,21	0.46	1	13B	9500100
	G1/4	2	120	0 ... 35	0 ... 507	0,21	0.46	1	13B	9500200
	1/4 NPT	2	120	0 ... 35	0 ... 507	0,21	0.46	1	13B	9503200
	G1/4	3	200	0 ... 10	0 ... 145	0,21	0.46	1	13C	9500300
	1/4 NPT	3	200	0 ... 10	0 ... 145	0,21	0.46	1	13C	9503300
	G1/4	4	350	0 ... 12	0 ... 174	0,21	0.46	1	13D	9500400
	1/4 NPT	4	350	0 ... 12	0 ... 174	0,21	0.46	1	13D	9503400
	G1/4	6	550	0 ... 5	0 ... 72	0,25	0.55	2	16D	9501600
	1/4 NPT	6	550	0 ... 5	0 ... 72	0,25	0.55	2	16D	9504600
	G1/2	12	1700	0 ... 1	0 ... 14	0,8	1.76	4	16D	9501700
	G1/4	2	100	0 ... 20	0 ... 290	0,21	0.46	3	13B	9502210
	G1/4	3	160	0 ... 10	0 ... 145	0,21	0.46	3	13B	9502310

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

Option selector

950x***.***.***

Orifice (mm)	Substitute
1,5	1
2	2
3	3
4	4
6	6
12	7
Material seat seal	Substitute
NBR	0
EDPM	1
FPM	2
PTFE only orifice 1,5 ... 4 NC	3
FFPM	4
Rubin only orifice 2 ... 3 NC	5

Voltage	Substitute
24 V d.c.	02400
230 V a.c.	23050
Solenoid	Substitute
See solenoid table	