

SOLENOID AND PILOT ACTUATED POPPET VALVES

Prospector® 2/2 & 3/2, G3/8 ... G1

- Exceptionally high flow
- High reliability
- Durable, robust construction

Technical Data*

* Basic valve without solenoid operator

Medium:

Filtered and lubricated or non lubricated compressed air

Operating pressure:

Pilot actuated: 2 ... 10 bar

Solenoid actuated: 0 ... 20 bar

Pilot port size:

G1/4 for ISO G version only

Mounting:

Through-holes in valve body

Ambient temperature:

Solenoid pilot: -20°C ... +50°C

Air pilot: -20°C ... +80°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Body, piston, poppets and sub-base:

Aluminium alloy

Operators:

Zinc or aluminium solenoid pilot operators, stainless steel or steel, reinforced polyester, brass or polyurethane, acetal, copper wire

Elastomers:

NBR



Models

Solenoid pilot operated

Model	Function	Port size	Valve size (inch)	Flow (l/min)	Dimension No.
AA013C-00-CE***	2/2 NC	G3/8	1/2	3,351	1
AA014C-00-CE***	2/2 NC	G1/2	1/2	5,224	1
AA015C-00-CE***	2/2 NC	G3/4	1/2	6,407	1
AA026C-00-CE***	2/2 NC	G1	1	13,307	2
BA013C-00-CE***	2/2 NO	G3/8	1/2	3,746	1
BA014C-00-CE***	2/2 NO	G1/2	1/2	5,323	1
BA015C-00-CE***	2/2 NO	G3/4	1/2	6,210	1
BA026C-00-CE***	2/2 NO	G1	1	15,180	2
DA023C-00-CE***	3/2 NC	G3/8	1/2	4,830	3
DA024C-00-CE***	3/2 NC	G1/2	1/2	5,717	3
DA025C-00-CE***	3/2 NC	G3/4	1/2	6,111	3
DA036C-00-CE***	3/2 NC	G1	1	14,391	4
EA023C-00-CE***	3/2 NO	G3/8	1/2	4,534	3
EA024C-00-CE***	3/2 NO	G1/2	1/2	5,421	3
EA025C-00-CE***	3/2 NO	G3/4	1/2	5,717	3
EA036C-00-CE***	3/2 NO	G1	1	13,602	4

*** Insert voltage code.

Air pilot operated

Model	Function	Port size	Valve size (inch)	Pilot port size	Flow (l/min)	Dimension No.
AA013H-AA	2/2 NC	G3/8	1/2	G1/4	3,351	5
AA014H-AA	2/2 NC	G1/2	1/2	G1/4	5,224	5
AA015H-AA	2/2 NC	G3/4	1/2	G1/4	6,407	5
AA026H-AA	2/2 NC	G1	1	G1/4	13,307	6
BA013H-AA	2/2 NO	G3/8	1/2	G1/4	3,746	5
BA014H-AA	2/2 NO	G1/2	1/2	G1/4	5,323	5
BA015H-AA	2/2 NO	G3/4	1/2	G1/4	6,210	5
BA026H-AA	2/2 NO	G1	1	G1/4	15,180	6
DA023H-AA	3/2 NC	G3/8	1/2	G1/4	4,830	7
DA024H-AA	3/2 NC	G1/2	1/2	G1/4	5,717	7
DA025H-AA	3/2 NC	G3/4	1/2	G1/4	6,111	7
DA036H-AA	3/2 NC	G1	1	G1/4	14,391	8
EA023H-AA	3/2 NO	G3/8	1/2	G1/4	4,534	7
EA024H-AA	3/2 NO	G1/2	1/2	G1/4	5,421	7
EA025H-AA	3/2 NO	G3/4	1/2	G1/4	5,717	7
EA036H-AA	3/2 NO	G1	1	G1/4	13,602	8

Technical data – Solenoid operators

Type	22 mm solenoid valve with sub base inlet and outlet connections
Circuit function	3/2 Normally closed
Orifice	1,6 mm
Seal material	Flourine rubber
Body & coil material	Glass reinforced nylon
Port connection	Exhaust port M5 plugged with diffuser
Voltage tolerance	±10% of nominal
Electrical connection	3 pin industrial standard

Manual override	Turn and lock
Pressure range	2 ... 10 bar
Fluid temperature range	-20 ... +90°C *1)
Ambient temperature range	-20 ... +50°C *1)
Duty cycle	100% ED
Opening/closing time	10 ... 20/5 ... 10 ms
Protection class	IP65 with connector

*1) -40°C is available upon request.

Solenoid pilot valves – Voltage codes and part numbering

Voltage	Power	Inrush/hold	Voltage code – solenoid pilot valve with manual override	Spare – replacement coil part number with manual override
24 V d.c.	7,5 W	–	83J	QM/48/83J/21
110 V a.c.	–	8 VA	88J	QM/48/88J/21
230 V a.c.	–	8 VA	89J	QM/48/89J/21

Note: Solenoid pilot valve without manual override also available – contact our Technical service.

Accessories

Connector



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