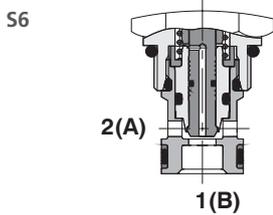
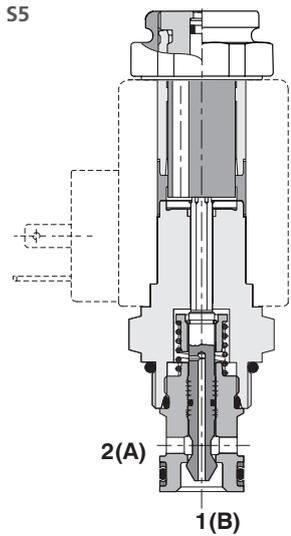


2/2 Solenoid Operated Poppet Valve, Direct Acting

ROE3-042S5(S6) M22x1.5 • Q_{max} 25 l/min (7 GPM) • p_{max} 250 bar (3600 PSI)



Technical Features

- › Screw-in cartridge valve with connecting thread M22x1.5
- › All ports may be fully pressurized with maximum pressure 250 bar
- › Valve closes leak-free in both flow directions
- › Precisely manufactured parts and hardened poppet
- › Normally open or normally closed version
- › Optional type of manual override
- › Coil interchangeability among ROE / RPE3-04 product line
- › The valve in standard version is zinc-coated with surface protection 240 h in NSS acc. to ISO 9227

Functional Description

2/2 screw-in cartridge poppet valve with connecting thread M22x1.5, solenoid operated, direct acting. The bi-directional valve is used for leak-free closing in both flow directions.

Model Code	S5	S6
Symbol		

Technical Data

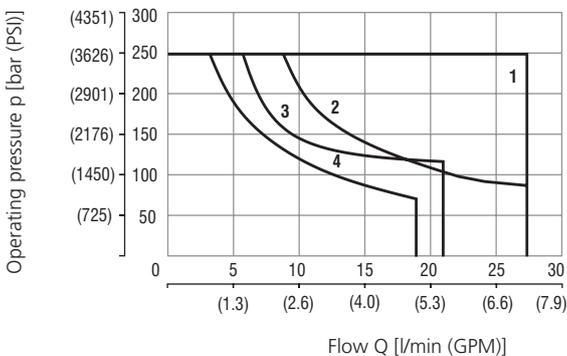
Valve size / Cartridge cavity		M22x1.5 / QG2
Max. flow	l/min (GPM)	25 (6.6)
Max. operating pressure	bar (PSI)	250 (3600)
Max. internal leakage in the direction 2→1 (v=32 mm ² /s)	cm ³ /min	≤ 0.25 at 250 bar
Fluid temperature range (NBR)	°C (°F)	-30 ... +80 (-22 ... +176)
Fluid temperature range (FPM)	°C (°F)	-20 ... +80 (-4 ... +176)
Ambient temperature	°C (°F)	-20 ... 50 (-4 ... 122)
Fluid viscosity range	mm ² s ⁻¹	10 ... 500
Weight without coil	kg (lbs)	0.2 (0.44)

		Datasheet	Type
General information		HA 0060	Products and operating conditions
Coil types		HA 8007	C19B*
Valve bodies	In-line mounted	HA 0018	SB-QG2*
	Sandwich mounted	HA 0028	SB-04-QG2*
Cavity details		HA 0019	SMT-QG2*
Spare parts		HA 8010	

Characteristics measured at v = 32 mm²/s (156 SUS)

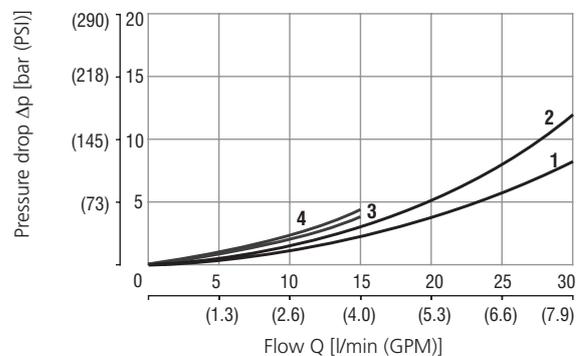
Operating limits

Operating limits for maximum hydraulic power at rated temperature and supply voltage equal to 90% of the nominal value.



	Model	Connection
1	S5	2→1
2	S5	1→2
3	S6	2→1*
4	S6	1→2

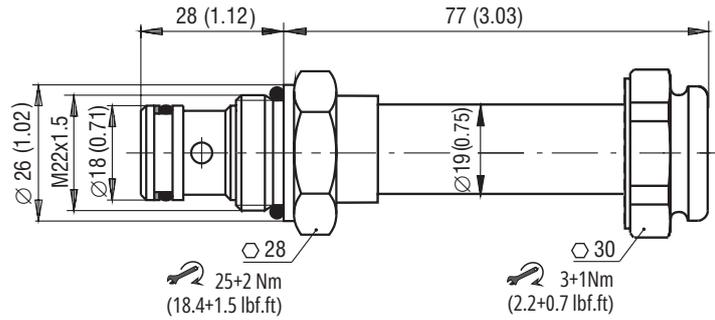
Pressure drop related to flow rate



	Model	Connection
1	S5	2→1
2	S5	1→2
3	S6	2→1*
4	S6	1→2*

*flow up to 15 l/min (4 GPM)

Dimensions in millimeters (inches)



Manual Override in millimeters (inches)

No designation - standard	Designation N2 - rubber boot protected	Designation N4 - hand screw

In case of solenoid malfunction or power failure, the valve spool can be shifted by manual override under the condition that the pressure in the back line does not exceed 25 bar (363 PSI). For alternative manual overrides contact our technical support.

Ordering Code

ROE3 - 042 -

<p>2/2 Solenoid Operated Poppet Valve, Direct Acting M22x1.5</p> <p>Valve size</p> <p>Functional symbol</p> <p>normally closed (NC), blocking</p> <p>normally open (NO), blocking</p>	<p>Surface treatment</p> <p>A zinc-coated (ZnCr-3), ISO 9227 (240 h)</p> <p>B zinc-coated (ZnNi), ISO 9227 (520 h)</p> <p>Seals</p> <p>No designation NBR</p> <p>V FPM (Viton)</p> <p>Manual override</p> <p>No designation standard</p> <p>N2 rubber boot protected</p> <p>N4 hand screw</p>
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