

2/2 Solenoid Operated Poppet Valve, Pilot Operated

ROE3-062S2

M22x1.5 • Q_{max} 63 l/min (17 GPM) • p_{max} 250 bar (3600 PSI)

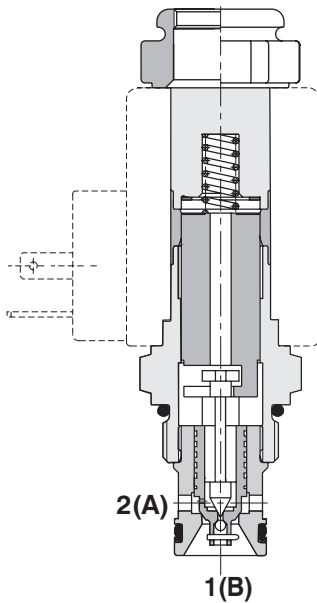
Normally closed

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 specified flow direction
- › Precisely manufactured parts and hardened poppet
- › 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, piloted. The one-directional valve is used for leak-free closing in specified flow direction (2 → 1).



Model Code	S2
Symbol	

Technical Data

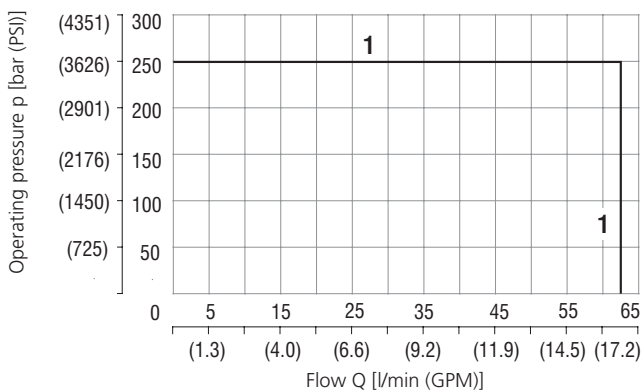
Valve size / Cartridge cavity		M22x1.5 / QG2
Max. flow	l/min (GPM)	63 (16.6)
Max. operating pressure	bar (PSI)	250 (3630)
Fluid temperature range (NBR)	°C (°F)	-30 ... +80 (-22 ... +176)
Fluid temperature range (FPM)	°C (°F)	-20 ... +80 (-4 ... +176)
Ambient temperature	°C (°F)	-20 ... 50 (-4 ... 122)
Supply voltage tolerance	%	AC, DC: ± 10
Max. switching frequency	1/h	15 000
Weight without coil	kg (lbs)	0.20 (0.44)

	Datasheet	Type
General information	GI_0060	Products and operating conditions
Coil types	C_8007	C19B*
Valve bodies	In line mounted	SB_0018
	Sandwich mounted	SB-04 (06)_0028
Cavity details	SMT_0019	SMT-QG2*
Spare parts	SP_8010	

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

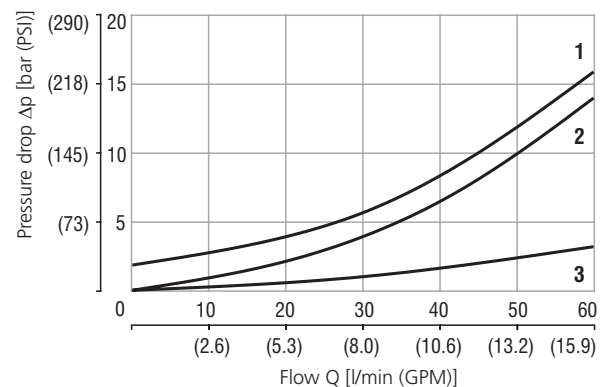
Operating limits

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



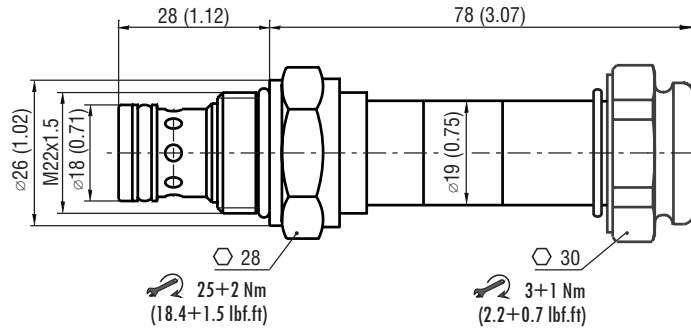
	Model	Connection
1	S2	2→1, 1→2

Pressure drop related to flow rate



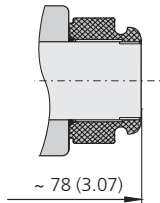
	Model	Connection	Solenoid
1	S2	1→2	OFF
2	S2	2→1	ON
3	S2	1→2	ON

Dimensions in millimeters (inches)

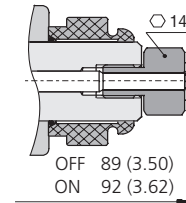


Manual Override in millimeters (inches)

Standard
- without manual override



Designation N5
- with external hexagon, across flats 14



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.

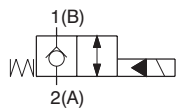
Ordering Code

ROE3 - 062 S2 -

2/2 Solenoid Operated Poppet Valve,
Pilot Operated **M22x1.5**

Valve size

Functional symbol



Surface treatment
A zinc-coated (ZnCr-3), ISO 9227 (240 h)
B zinc-coated (ZnNi), ISO 9227 (520 h)

No designation
V

Seals
NBR
FPM (Viton)

No designation
N5

Manual override
standard - without manual override
external hexagon, across flats 14