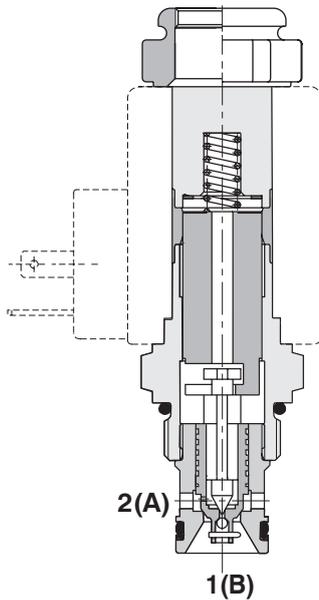


2/2 Solenoid Operated Poppet Valve, Pilot Operated

**ROE3-062S2**

M22x1.5 • Q<sub>max</sub> 63 l/min (17 GPM) • p<sub>max</sub> 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	

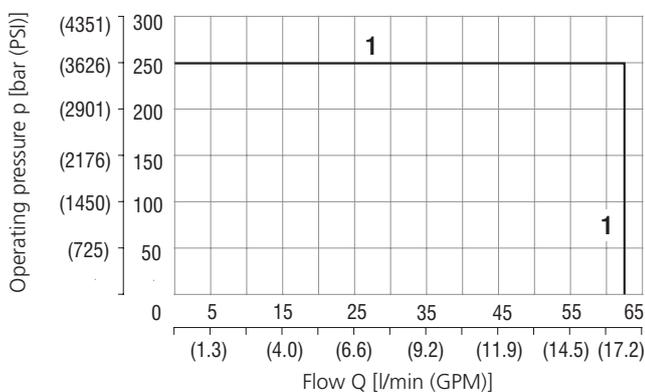
**Technical Data**

Valve size / Cartridge cavity	M22x1.5 / QG2		
Max. flow	l/min (GPM)	63 (16.6)	
Max. operating pressure	bar (PSI)	250 (3600)	
Max. internal leakage in the direction 2→1 (v=32 mm <sup>2</sup> /s)	cm <sup>3</sup> /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 <sup>2</sup> s <sup>-1</sup>	10 ... 500	
Weight without coil	kg (lbs)	0.20 (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-06-QG2*
Cavity details	HA 0019	SMT-QG2*	
Spare parts	HA 8010		

**Characteristics** measured at v = 32 mm<sup>2</sup>/s (156 SUS)

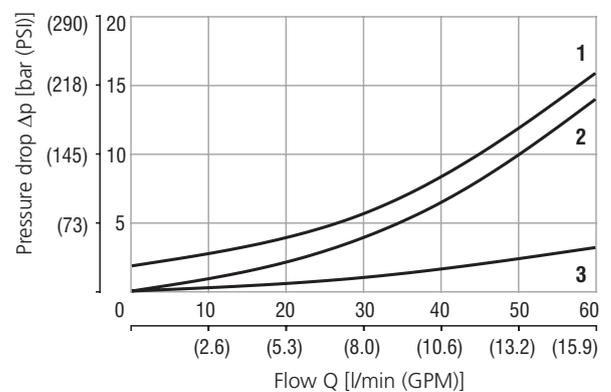
**Operating limits**

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



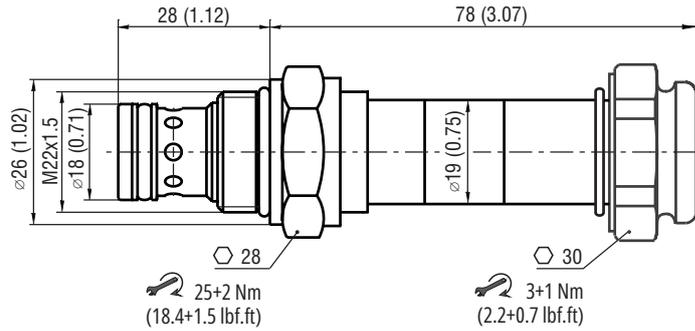
Model	Connection
1 S2	2→1, 1→2

**Pressure drop related to flow rate**



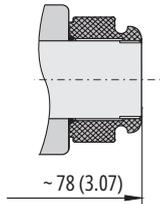
Model	Connection	Solenoid
1 S2	1→2	OFF
2 S2	2→1	ON
3 S2	1→2	ON

**Dimensions** in millimeters (inches)

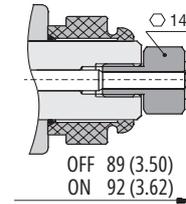


**Manual Override** in millimeters (inches)

Standard  
- without manual override



Designation N5  
- with external hexagon A/F 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.

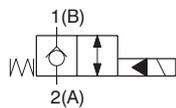
**Ordering Code**

**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  
with external hexagon A/F 14