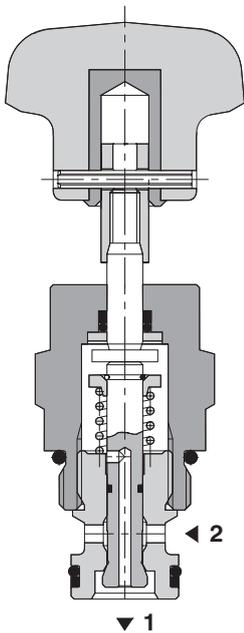


2/2 Directional Valve, Manually Operated, Poppet Type, Blocking, Direct Acting

**ROR3-062**

M22x1.5 •  $Q_{max}$  35 l/min (9 GPM) •  $p_{max}$  320 bar (4600 PSI)

Normally closed  
Push-to-open



**Technical Features**

- › Hardened precision parts
- › High flow capacity and leak-free closing
- › Wide range of actuation alternatives
- › In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

**Functional Description**

A screw-in cartridge poppet valve manually operated by hand lever or push knob with a connecting thread M22x1.5. The bidirectional valve with a preferential flow direction 2→1 is designed for leakage free closing. In basic position the valve is closed. When adjusting the lever, the valve gradually opens against spring force and the flow increases up to the maximum.

Modell	1,2	3
Symbol		

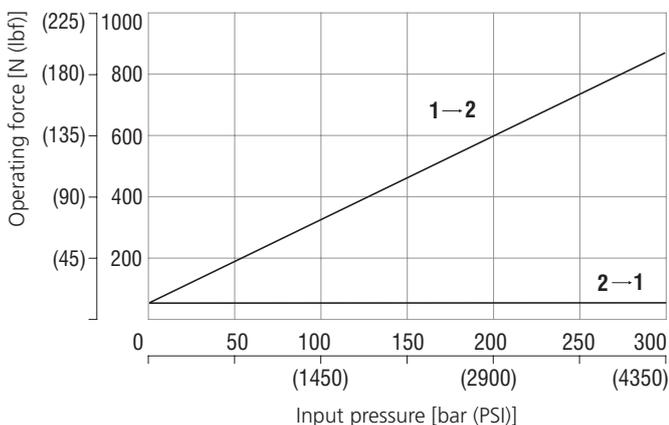
**Technical Data**

Valve size / Cartridge cavity	M22x1.5 / QG2			
Max. flow	l/min (GPM)	35 (9.2)		
Max. operating pressure	bar (PSI)	320 (4600)		
Max. operating force	N (lbf)	see characteristics		
Max. internal leakage in the direction 2→1 ( $v=32 \text{ mm}^2/\text{s}$ )	$\text{cm}^3/\text{min}$	$\leq 0.25$ at 250 bar		
Fluid temperature range (NBR)	$^{\circ}\text{C}$ ( $^{\circ}\text{F}$ )	-30 ... +100 (-22 ... +176)		
Fluid temperature range (FPM)	$^{\circ}\text{C}$ ( $^{\circ}\text{F}$ )	-20 ... +120 (-4 ... +248)		
Fluid viscosity range	$\text{mm}^2\text{s}^{-1}$	10 ... 500		
Service life	cycles	$10^6$		
Weight	model	1	2	3
	kg (lbs)	0.15 (0.33)	0.25 (0.55)	0.66 (1.46)

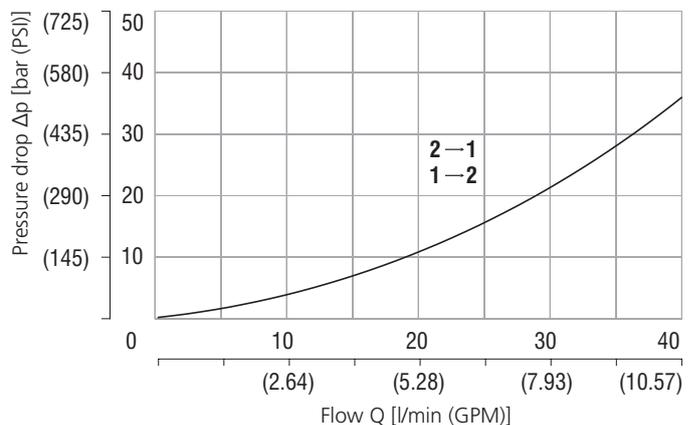
		Datasheet	Type
General information		HA 0060	Products and operating conditions
Valve bodies	In-line mounted	HA 0018	SB-QG2*
	Sandwich mounted	HA 0028	SB-*QG2*
Cavity details		HA 0019	SMT-QG2*
Spare parts		HA 8010	

**Characteristics** measured at  $v = 32 \text{ mm}^2/\text{s}$  (156 SUS)

**Operating limits**

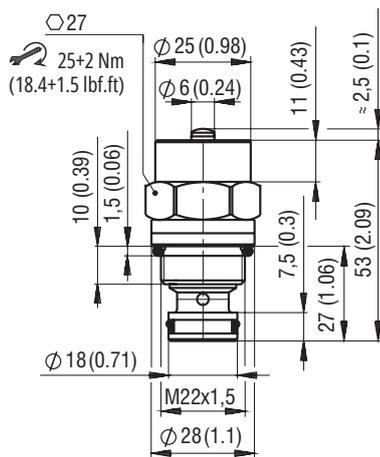


**Pressure drop related to flow rate**

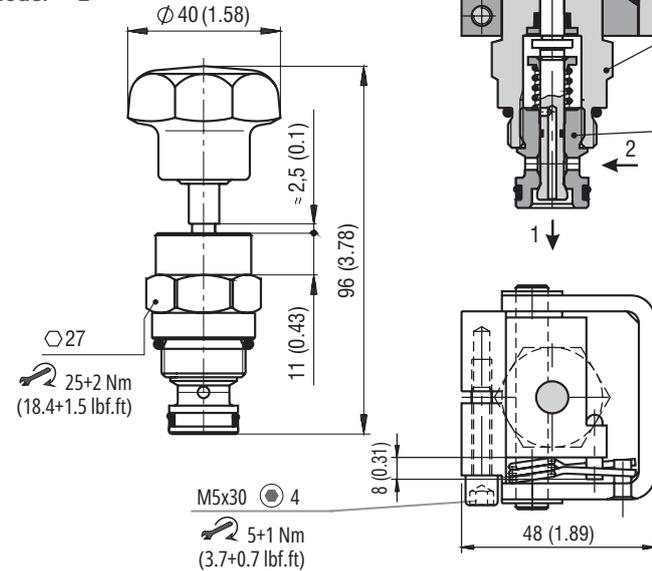


Dimensions in millimeters (inches)

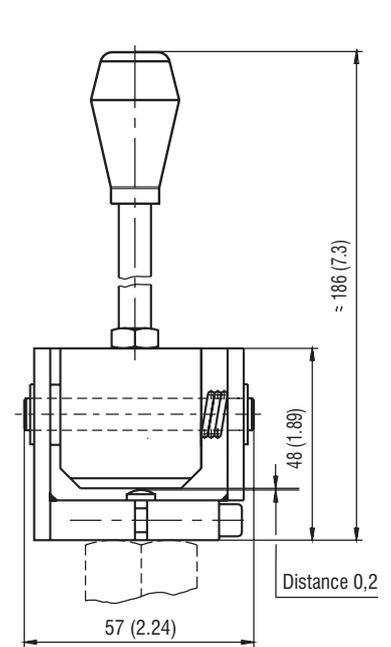
Model 1



Model 2



Model 3



- 1 Hand lever
- 0 position with detent
- 1. position opens the valve
- 2 Section of the hand lever
- 3 SD1M-QG2

Ordering Code

ROR3-06 2 - 00 -  -  -

2/2 directional valve, manually operated, poppet type, blocking, direct acting M22x1.5

Valve size

Number of valve positions

Flow restrictor  
without flow restrictor

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)

Actuation  
1 plunger  
2 hand push knob  
3 hand lever