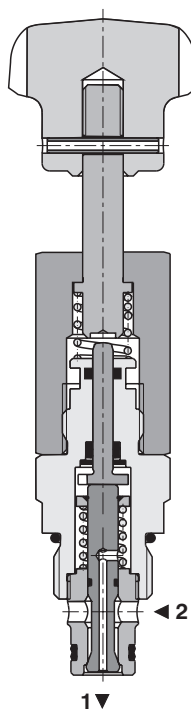


2/2 Directional Valve, Manually Operated, Poppet Type, Blocking, Direct Acting

SD1M-A2/L

3/4-16 UNF • Q_{max} 20 l/min (5 GPM) • p_{max} 250 bar (3600 PSI)



Technical Features

- › Hardened precision parts
- › High flow capacity and leak-free closing
- › Wide range of manual operations available with microswitch option
- › Standard version zinc-coated with surface protection acc. to ISO 9227 (240 h salt spray)

Functional Description

A manually operated, 2-way, blocking, push-to-open valve in the form of a screw-in cartridge. The preferential flow is from 2 to 1. The valve provides the possibility to throttle the flow. The model with a hand lever and micro-switch has 3 operating positions. Position 0. middle hand lever position - the valve is closed. Position I. opens the valve against the return spring. Position II. actuates a contact (only the model with micro switch).

Model Code	2S5		
	1	2	3
Symbol			

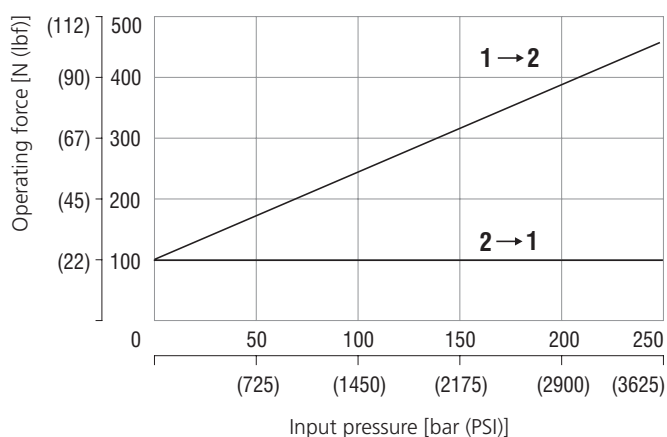
Technical Data

Valve size / Cartridge cavity		3/4-16 UNF-2A / A2		
Max. flow	l/min (GPM)	20 (5.3)		
Max. operating pressure	bar (PSI)	250 (3630)		
Max. operating force	N (lbf)	see characteristics		
Fluid temperature range (NBR)	°C (°F)	-30 ... 100 (-22 ... +212)		
Fluid temperature range (FPM)	°C (°F)	-20 ... 120 (-4 ... +248)		
Service life	cycles	10 ⁶		
Microswitch	D2SW-3D	2 A - 250 V ~	0.1 A - 30 V =	
Mass	model	1	2	3
	kg (lbs)	0.27 (0.60)	0.38 (0.84)	0.38 (0.84)

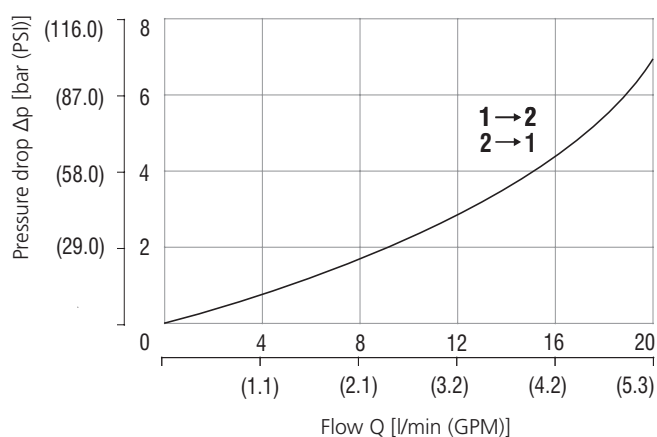
	Datasheet	Type
General information	GI_0060	Products and operating conditions
Valve bodies	In line mounted	SB-A2*
	Sandwich mounted	SB-04(06)_0028
Cavity details / Form tools	SMT_0019	SMT-A2*
Spare parts	SP_8010	

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

Operating limits

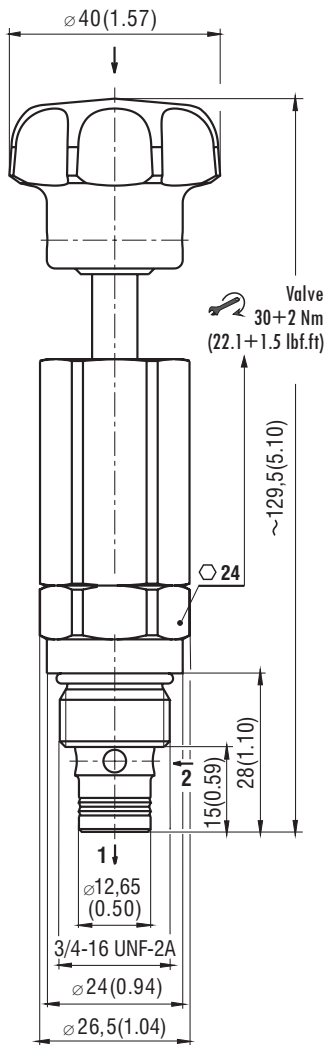


Pressure drop related to flow rate

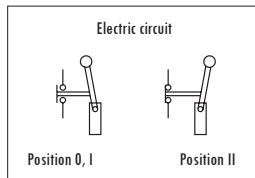
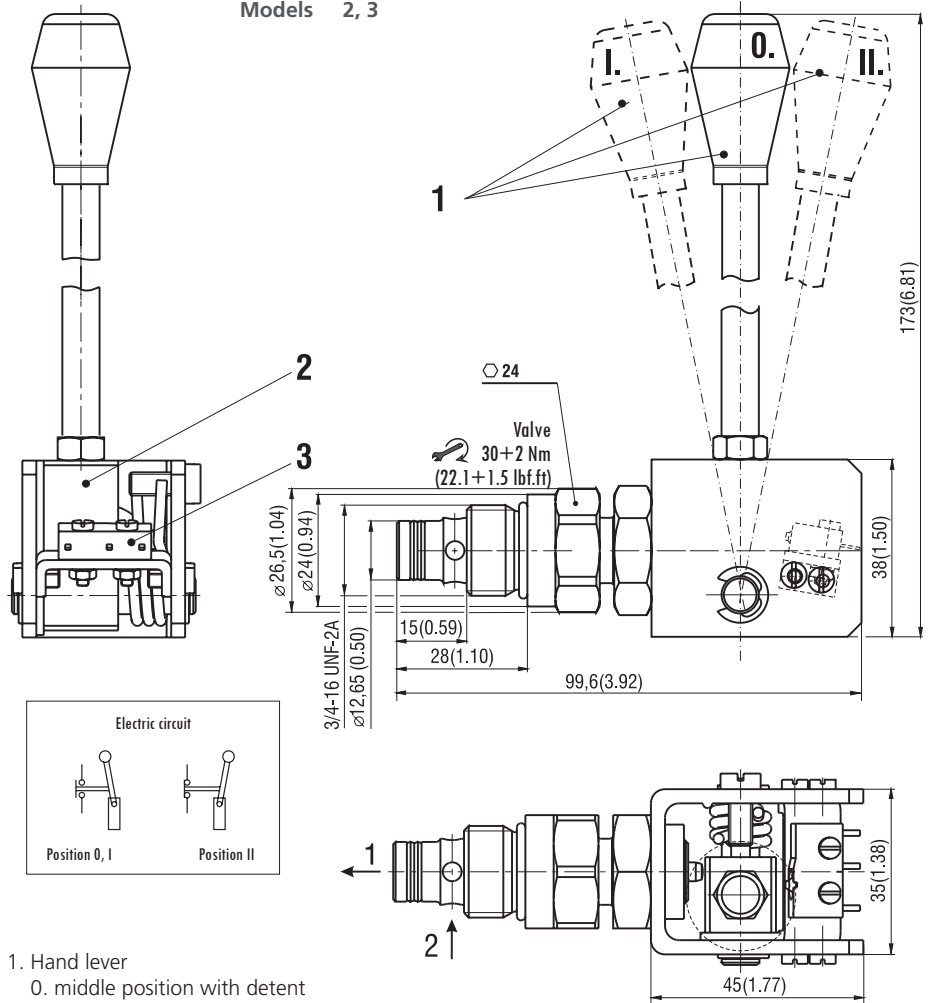


Dimensions in millimeters (inches)

Model 1



Models 2, 3



- 1. Hand lever
 - 0. middle position with detent
 - I. first position - opens the valve
 - II. second position - closes the contact of the microswitch
- 2. Section of the hand lever
- 3. Microswitch - only with SD1M-A2/L2S5-3

Ordering Code

