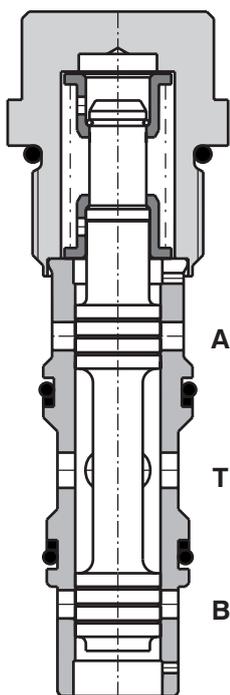


**SD2H-LA3**

M24x1.5 •  $Q_{max}$  40 l/min (11 GPM) •  $p_{max}$  320 bar (4600 PSI)



**Technical Features**

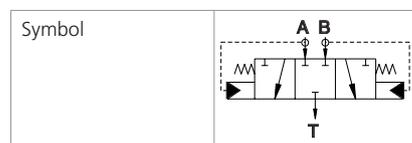
- > Hardened precision parts
- > High flow capacity
- > Simple design and reliable function
- > Optional pressure ranges
- > Automatic alternating fluid discharge from the low-pressure line of hydrostatic circuit
- > Standard version of the valve is zinc-coated with the surface corrosion protection 240 h in NSS acc. to ISO 9227

**Functional Description**

3-way screw-in cartridge valve is designed for the specific function discharging of heated working fluid from the closed hydrostatic circuit through a cooler and a filter to the tank. The spool is operated hydraulically and provides automatically fluid discharging always from the low-pressure line.

Closed hydrostatic drives are generally loaded with high transmitted power. Losses, generating due the transformation of mechanical energy into pressure energy and vice versa, turn into heat.

It leads to the thermal load of equipment and to the necessity to connect a cooler to the circuit.



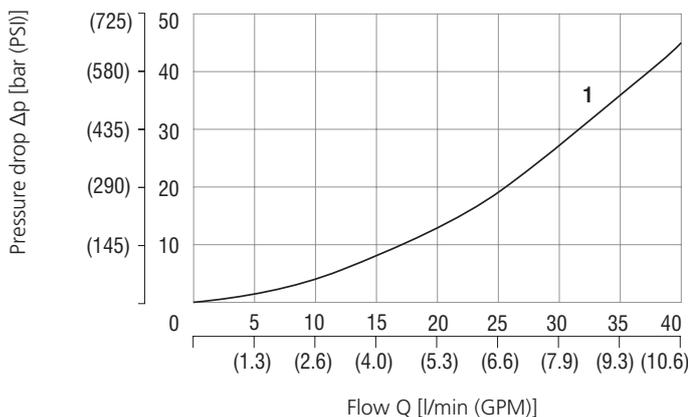
**Technical Data**

Valve size / Cartridge cavity		M24x1.5 / LA3
Max flow	l/min (GPM)	40 (10.6)
Max. operating pressure	bar (PSI)	320 (4640)
Max. internal leakage in the direction A→T ( $v=32 \text{ mm}^2/\text{s}$ )	cm <sup>3</sup> /min	≤ 35 at 250 bar
Cracking pressure	bar (PSI)	7 (102)      12 (174)
Fluid temperature range (NBR)	°C (°F)	-30...+100 (-22 ...+212)
Fluid temperature range (FPM)	°C (°F)	-20 ...+120 (-4 ...+248)
Fluid viscosity range	mm <sup>2</sup> s <sup>-1</sup>	10 ... 500
Weight	kg (lbs)	0.23 (0.50)

		Datasheet	Type
General information		HA 0060	Products and operating conditions
Valve bodies	In-line mounted	HA 0018	SB-LA3* (on request)
	Sandwich mounted	HA 0028	SB-*LA3* (on request)
Cavity details		HA 0019	SMT-LA3*
Spare parts		HA 8010	

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

**Pressure drop related to flow rate**



Connection	
1	B→T, A→T

