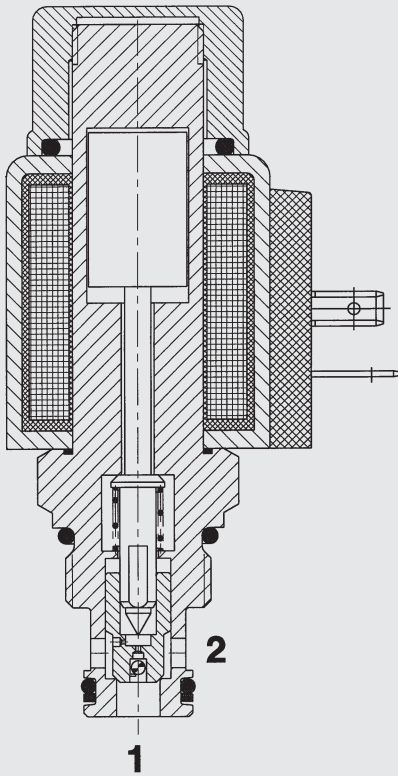


up to 40 l/min
up to 350 bar

FUNCTION



When the solenoid coil is not energized, there is free flow through the valve in both directions.

When the solenoid coil is energized, the valve is closed from port 2 to port 1.

In the reverse direction there is free flow through the valve when the pressure force on the spool exceeds the solenoid force (approx. 9 to 20 bar).

2/2 Solenoid Directional Valve Cartridge Valve - 350 bar SEAT Type - Pilot Operated Normally Open (Reverse Flow)

WSM06020YR-01

GENERAL

- Excellent switching performance by high power HYDAC solenoid
- All valve parts made of high-strength steel with hardened and ground components to ensure minimal wear and extended service life
- Rigid design by one-piece-body minimizes the effect of eccentricity and maximizes reliability
- All surfaces zinc-plated and corrosion-proof
- Waterproof design standard
- Wide variety of connectors available
- Low pressure drop by CFD optimized flow-path

SPECIFICATIONS

Operating pressure:	max. 350 bar	
Flow rate:	max. 40 l/min	
Internal leakage:	leakage-free	
Temperature range of operating fluid:	-20 °C to +120 °C	
Ambient temperature range:	-20 °C to +60 °C	
Type of voltage:	DC solenoid, AC voltage is rectified using a bridge rectifier built into the coil	
Nominal voltage (at 20 °C):	1.5 A at 12 V DC 0.8 A at 24 V DC	
Voltage tolerance:	±15% of nominal voltage	
Switch-on time:	continuous up to 115 % of nominal voltage at 60 °C ambient temperature	
Switching time:	on: approx. 50 ms off: approx. 35 ms	
Operating fluid:	hydraulic oil to DIN 51524 Part 1 and 2	
Viscosity range:	10 mm ² /s to 420 mm ² /s is recommended	
Filtration:	Permissible contamination level of the operating fluid to ISO 4406 Class 21/19/16 or cleaner	
Mounting position:	optional	
Materials:	valve body:	high tensile steel
	closing elements:	hardened and ground steel
	seals:	NBR (standard) FKM (optional) back-up ring in PTFE
Cavity:	06020	
Weight:	valve complete:	0.33 kg
	coil only:	0.19 kg

