

Modular check valves type SHR, SKR

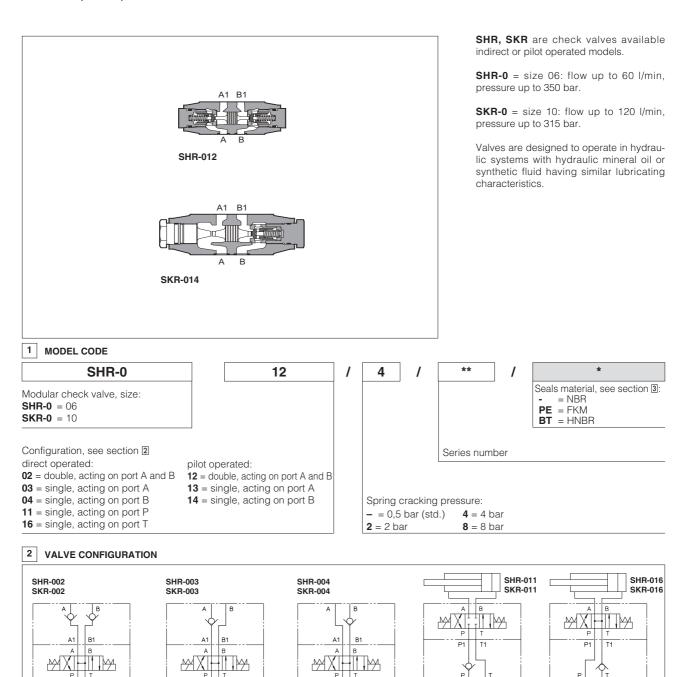
direct or pilot operated, ISO 4401 sizes 06 and 10

SHR-012

SKR-012

3.3:1

SKR



SHR-013

SKR-013

4

SHR-014

3 MAIN CHARACTERISTICS, SEALS and HYDRAULIC FLUID - for other fluids not included in below table, consult our technical office

Assembly position / location	Any position		
Subplate surface finishing	Roughness index Ra 0,4 - flatness ratio 0,01/100 (ISO 1101)		
MTTFd values according to EN ISO 13849	150 years, for further details see technical table P007		
Ambient temperature	Standard execution = $-30^{\circ}C \div +70^{\circ}C$ /PE option = $-20^{\circ}C \div +70^{\circ}C$ /BT option = $-40^{\circ}C \div +70^{\circ}C$		
Seals, recommended fluid temperature	NBR seals (standard) = -20°C ÷ +60°C, with HFC hydraulic fluids = -20°C ÷ +50°C FKM seals (/PE option)= -20°C ÷ +80°C HNBR seals (/BT option)= -40°C ÷ +60°C, with HFC hydraulic fluids = -40°C ÷ +50°C		
Recommended viscosity	15÷100 mm²/s - max allowed range 2.8 ÷ 500 mm²/s		
Fluid contamination class	ISO 4406 class 21/19/16 NAS 1638 class 10, achievable with in line filters - 25 μm (β10 ≥75 recommended)		
Hydraulic fluid	Suitable seals type	Classification	Ref. Standard
Mineral oils	NBR, FKM, HNBR	HL, HLP, HLPD, HVLP, HVLPD	DIN 51524
Flame resistant without water	FKM	HFDU, HFDR	ISO 12922
Flame resistant with water	NBR, HNBR	HFC	

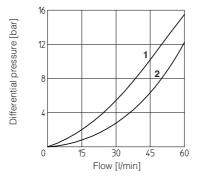
4 DIAGRAMS OF SHR-0 based on mineral oil ISO VG 46 at 50°C

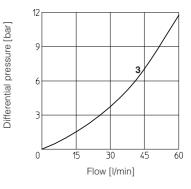
Flow tshrough check valve:

 $1 = A \rightarrow A_1; B \rightarrow B_1 \text{ of}$ SHR-012, SHR-013, SHR-014

2 = A1→A; B1→B of SHR-012, SHR-013, SHR-014

3 = SHR-011, SHR-016

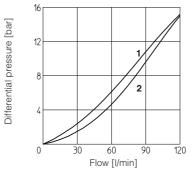


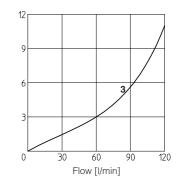


5 DIAGRAMS OF SKR-0 based on mineral oil ISO VG 46 at 50°C

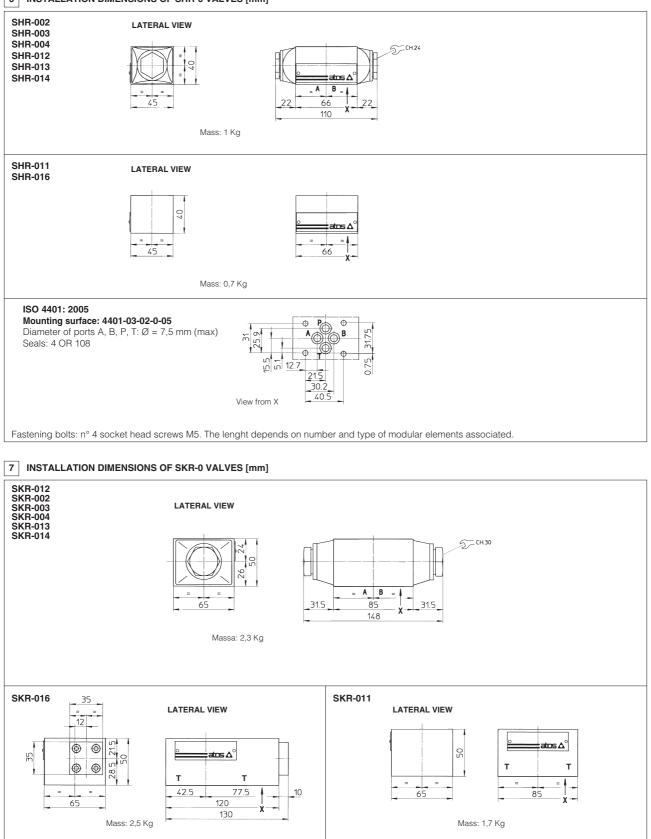
Flow tshrough check valve:

- $1 = A \rightarrow A_1; B \rightarrow B_1 \text{ of}$ SKR-012, SKR-013, SKR-014
- 2 = A1→A; B1→B of SKR-012, SKR-013, SKR-014
- **3** = SKR-011, SKR-016

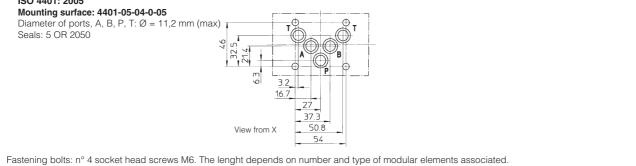




Differential pressure [bar]



ISO 4401: 2005



07/15