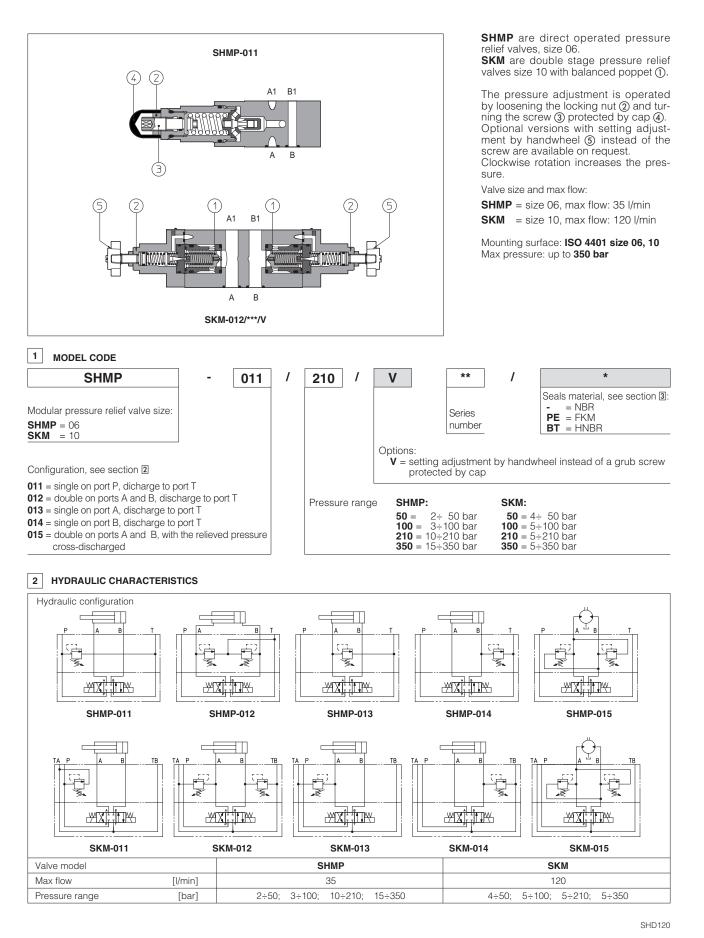


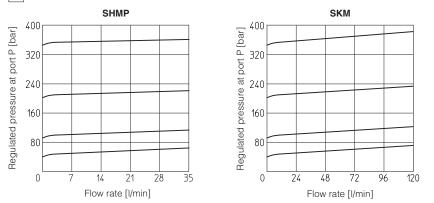
Modular relief valves type SHMP, SKM

ISO 4401 sizes 06 and 10



3 MAIN CHARACTERISTICS, SEALS and HYDRAULIC FLUIDS - 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) = $-20^{\circ}C \div +80^{\circ}C$, with HFC hydraulic fluids = $-20^{\circ}C \div +50^{\circ}C$ FSKM seals (/PE option)= $-20^{\circ}C \div +80^{\circ}C$ HNBR seals (/BT option)= $-40^{\circ}C \div +60^{\circ}C$, with HFC hydraulic fluids = $-40^{\circ}C \div +50^{\circ}C$		
Recommended viscosity	15÷100 mm²/s - max allowed range 2.8 ÷ 500 mm²/s		
Max fluid contamination level	ISO4406 class 20/18/15 NAS1638 class 9, see also filter section at www.atos.com or KTF catalog		
Hydraulic fluid	Suitable seals type	Classification	Ref. Standard
Mineral oils	NBR, FSKM, HNBR	HL, HLP, HLPD, HVLP, HVLPD	DIN 51524
Flame resistant without water	FSKM	HFDU, HFDR	ISO 12922
Flame resistant with water	NBR, HNBR	HFC	



4 REGULATED PRESSURE VERSUS FLOW DIAGRAMS (Based on mineral oil ISO VG 46 at 50°C)

5 MINIMUM PRESSURE VERSUS FLOW DIAGRAMS (Based on fluid viscosity of 25 mm²/s at 40°C)

