

Working conditions

Nominal flow rating		80 l/min	13.2 US gpm
Operating pressure (max.)	at port P	250 bar	3600 psi
	at workports A&B	315 bar	4600 psi
Back pressure (max.)		10 bar	150psi
Internal leakage (min.) A(B) to T	$\Delta p = 100 \text{ bar (1450 psi)}$ fluid and valve at 40 °C (104 °F)	20 cm ³ /min	1.22 in ³ /min
Hydraulic fluid		Mineral based oil	
Fluid temperature	with NBR seals	from -20 °C to 80 °C	from -4 °F to 176 °F
	with FPM (Viton) seals	from -20 °C to 100 °C	from -4 °F to 212 °F
Viscosity	operating range	from 15 to 75 mm ² /s	from 15 to 75 cSt
	min.	12 mm ² /s	12 cSt
	max.	400 mm ² /s	400 cSt
Permissible degree of fluid contamination		-/19/16 - ISO 4406	NAS 1683 - class 10
Ambient temperature	with mechanical devices	from -40 °C to 60 °C	from -40 °F to 140 °F
	with pneumatic and hydraulic devices	from -30 °C to 60 °C	from -22 °F to 140 °F

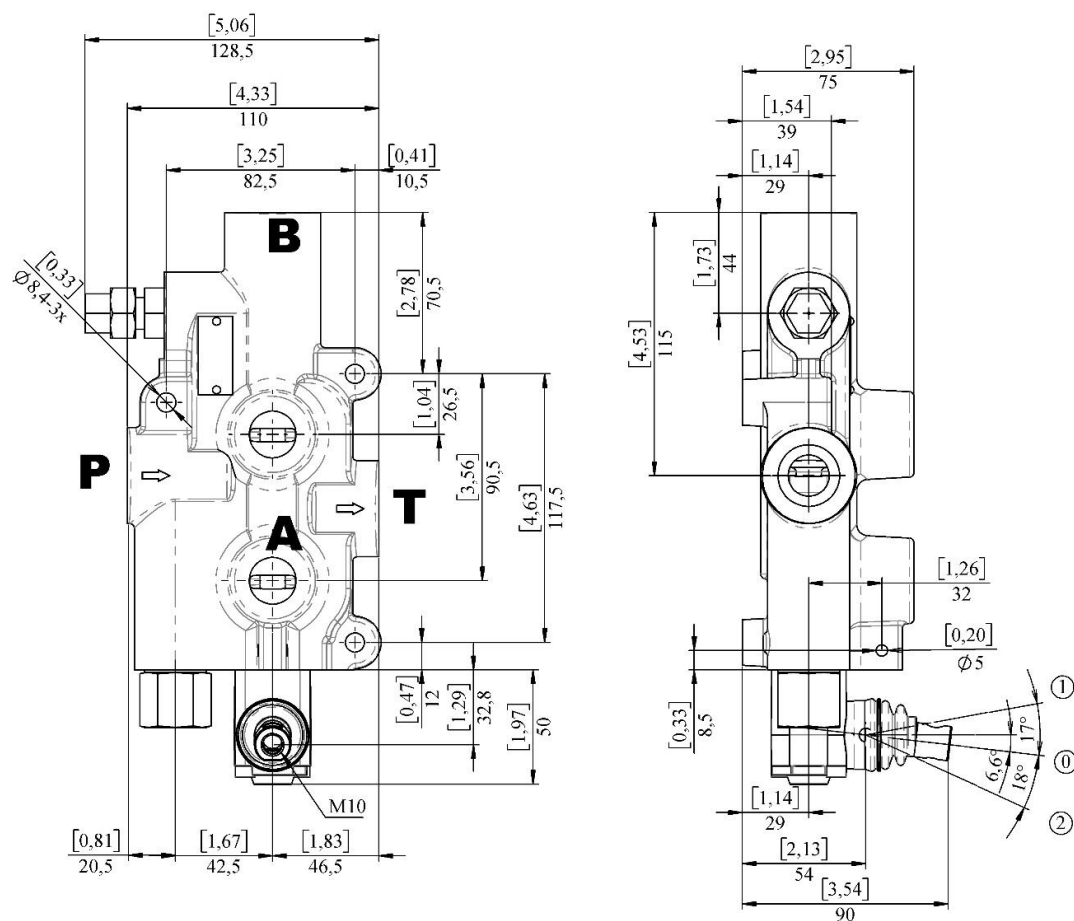
Standard threads

Reference standard				
	BSP	UN-UNF	Metric	NPTF
Thread	ISO 228/1	ISO 263	ISO 262	Ansi B1.20.3
according to	BS 2779	ANSI B1.1 unified		
Cavity	ISO 1179	11926	9974-1	
dimension	SAE	J1926	J2244	J476a
according to	DIN 3852-2 (Shape X or Y)		3852-1 (Shape X or Y)	

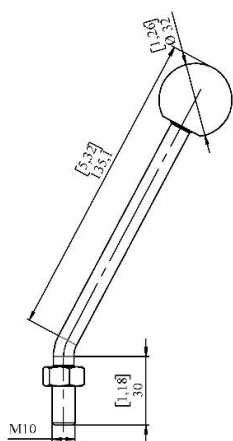
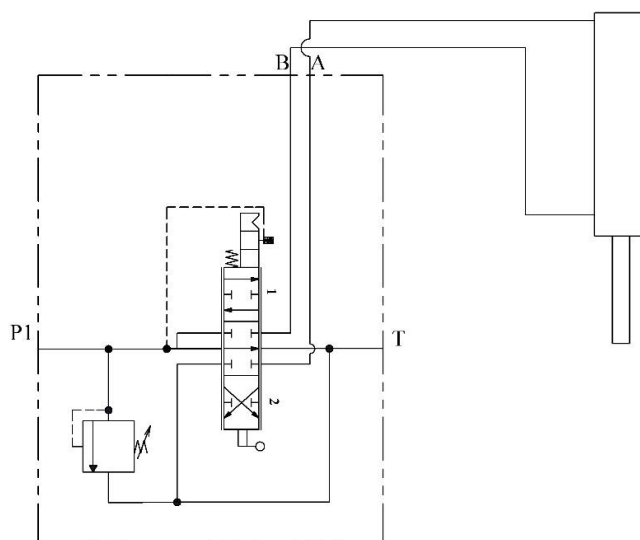
Port threadings and codes

Codes:	G	S	N
Main ports	BSP	UN-UNF	NPTF
Inlet P and outlet T	G1/2	1 1/16-12 (SAE12)	3/4-14 NPTF
Working ports A and B	G3/4	7/8-14 (SAE10)	1/2-14 NPTF

Dimensions



Hydraulic circuits



Handle M10