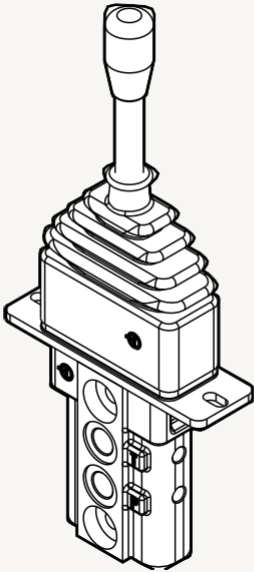
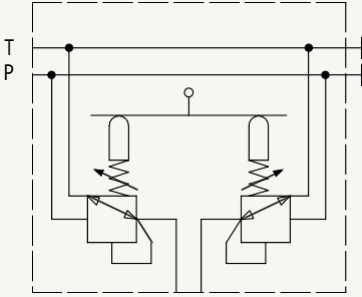


Hydraulic Pilot Linear Operation Type

Type FHP-1	Code
	Hydraulic Scheme:  HYDRAULIC PILOT CONTROLLER OPTIONS: 8, 9-1, FD, LES AVAILABLE SECTIONS FROM 1 TO 10

Type FHP-1

Technical drawing of the FHP-1 showing three views: a top view, a side view, and a front view. The top view shows two ports with a dimension of 35.2 [1.39] between them. The front view shows the overall dimensions X and Y.

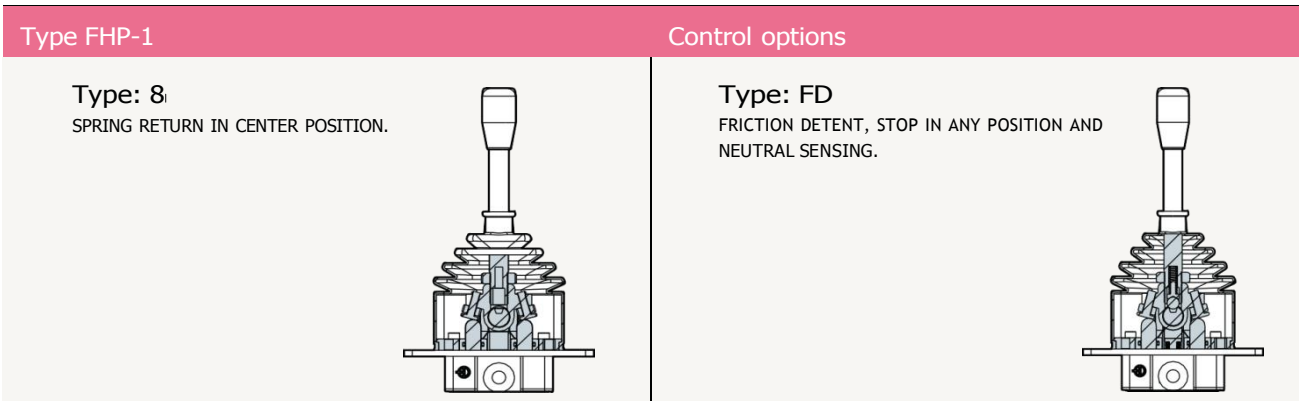
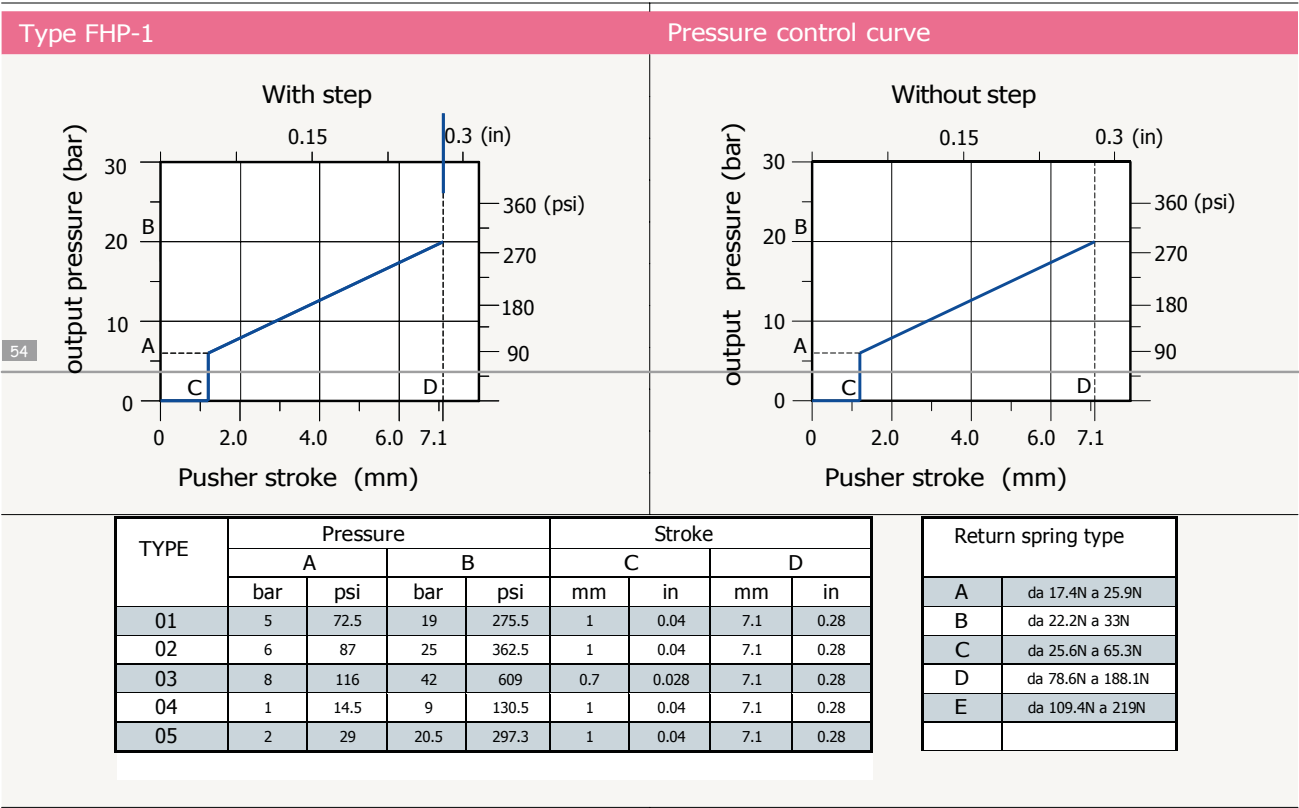
Hydraulic circuit:

Hydraulic circuit diagram for the FHP-1. The diagram shows three identical valve sections in series, each with two solenoid coils. The top line is labeled 'T' and the bottom line 'P'. The sections are numbered 1, 2, 3, 4, 19, and 20.

Standard threads:

TYPE	X		Y	
	mm	in	mm	in
JHP1/2	70.4	2.77	74.1	2.92
JHP1/3	105.6	4.16	109.3	4.30
JHP1/4	140.8	5.54	144.5	5.69
JHP1/5	176	6.93	179.7	7.07
JHP1/6	211.2	8.31	214.9	8.46
JHP1/7	246.4	9.70	250.1	9.85
JHP1/8	281.6	11.09	285.3	12.62
JHP1/9	316.8	12.47	320.5	12.62
JHP1/10	352	13.86	355.7	14.00

Hydraulic Pilot Linear Operation Type

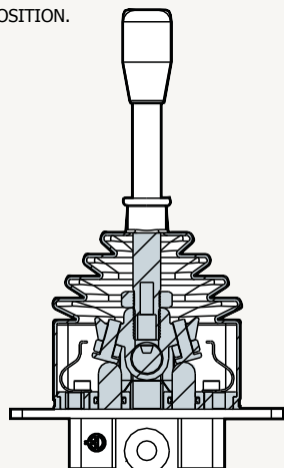


Hydraulic Pilot Linear Operation Type

Type FHP-1

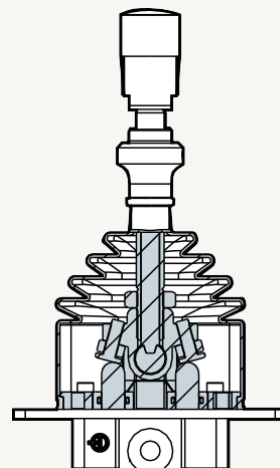
Type: 9-1

DETENT IN POSITION 1 AND 2, SPRING CENTERED TO NEUTRAL POSITION.



Type: LES

SAFETY LEVER, DETENT IN NEUTRAL POSITION.



EXAMPLE-Order Code:

FHP-1 / 1S - G2 / 8 - A 01 A

1
2
3
4
5
6
7

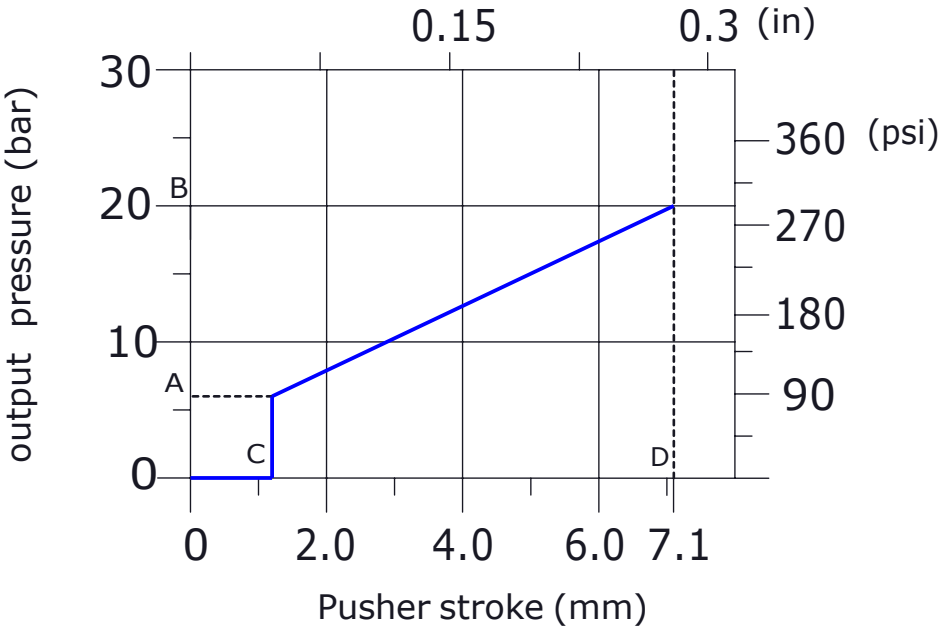
- 1 Valve type
- 2 No. of section
- 3 Thread type
- 4 Control options
- 5 Pressure control curve A or B
- 6 Pressure range 01~05
(see page 54 / P 54)
- 7 Spring return type A~E
(see page 54 / P 54)

Flow Q_L	5~20 L/min	1.3~5.3 US gpm
Feeding pressure	30~100 bar	435~1450 psi
MAX. backpressure	3 bar	4.35 psi
Internal leakage at 30 bar/435 psi	10 ~ 18 cm ³ /min	0.61~1.1 in ³ /min
Fluid	mineral oil	
Fluid temperature	-10 ~ 80°C	-14 ~ 176°F
Ambient temperature	-40 ~ 60°C	-40 ~ 140°F

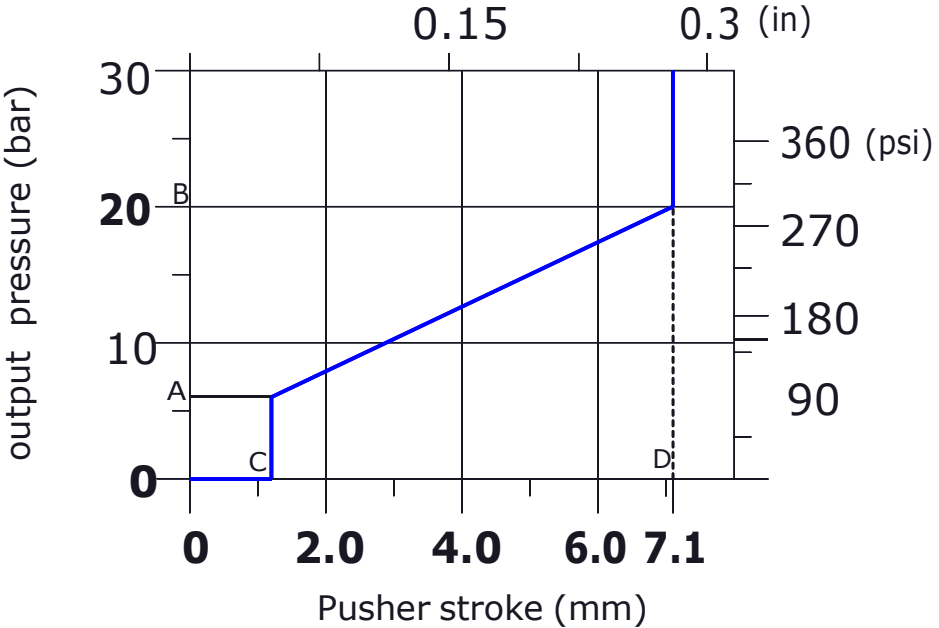
Standard threads

PORTS	BSP	UN-UNF	METRIC
Inlet P	G 1/4	7/16 - 20 (SAE 4)	M12 x 1.5
A and B ports	G 1/4	7/16 - 20 (SAE 4)	M12 x 1.5
Outlet T and power beyond C	G 1/4	7/16 - 20 (SAE 4)	M12 x 1.5

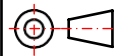
Without step

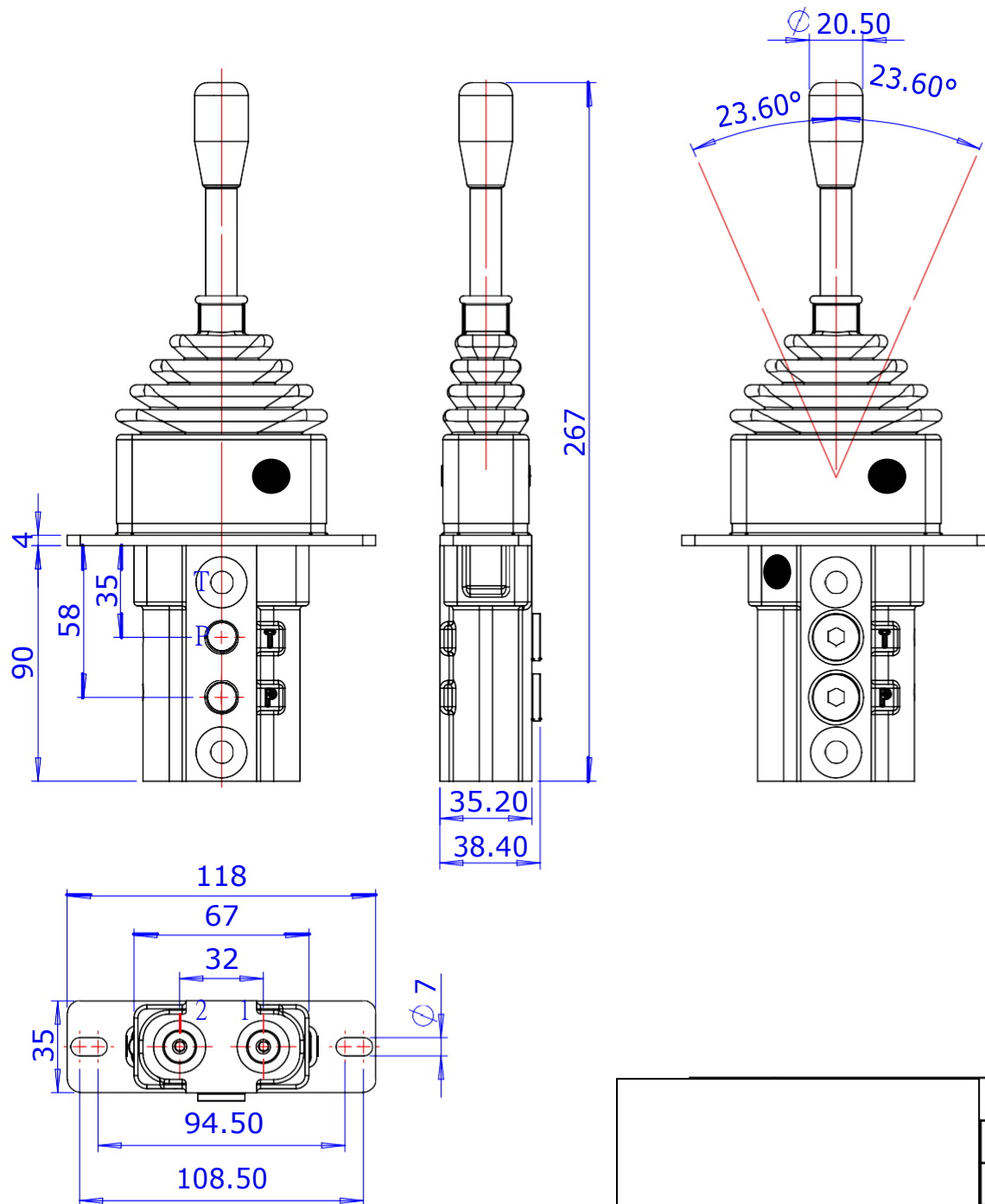


With step



Type	Pressure				Stroke			
	A		B		C		D	
	bar	psi	bar	psi	mm	in	mm	in
01	5	72.5	19	275.5	1	0.04	7.1	0.28
02	6	87	25	362.5	1	0.04	7.1	0.28
03	8	116	42	609	0.7	0.028	7.1	0.28
04	1	14.5	9	130.5	1	0.04	7.1	0.28
05	2	29	20.5	297.3	1	0.04	7.1	0.28

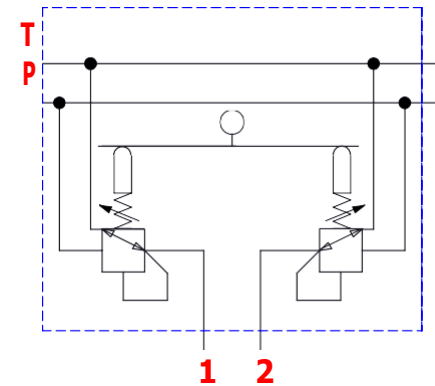
								

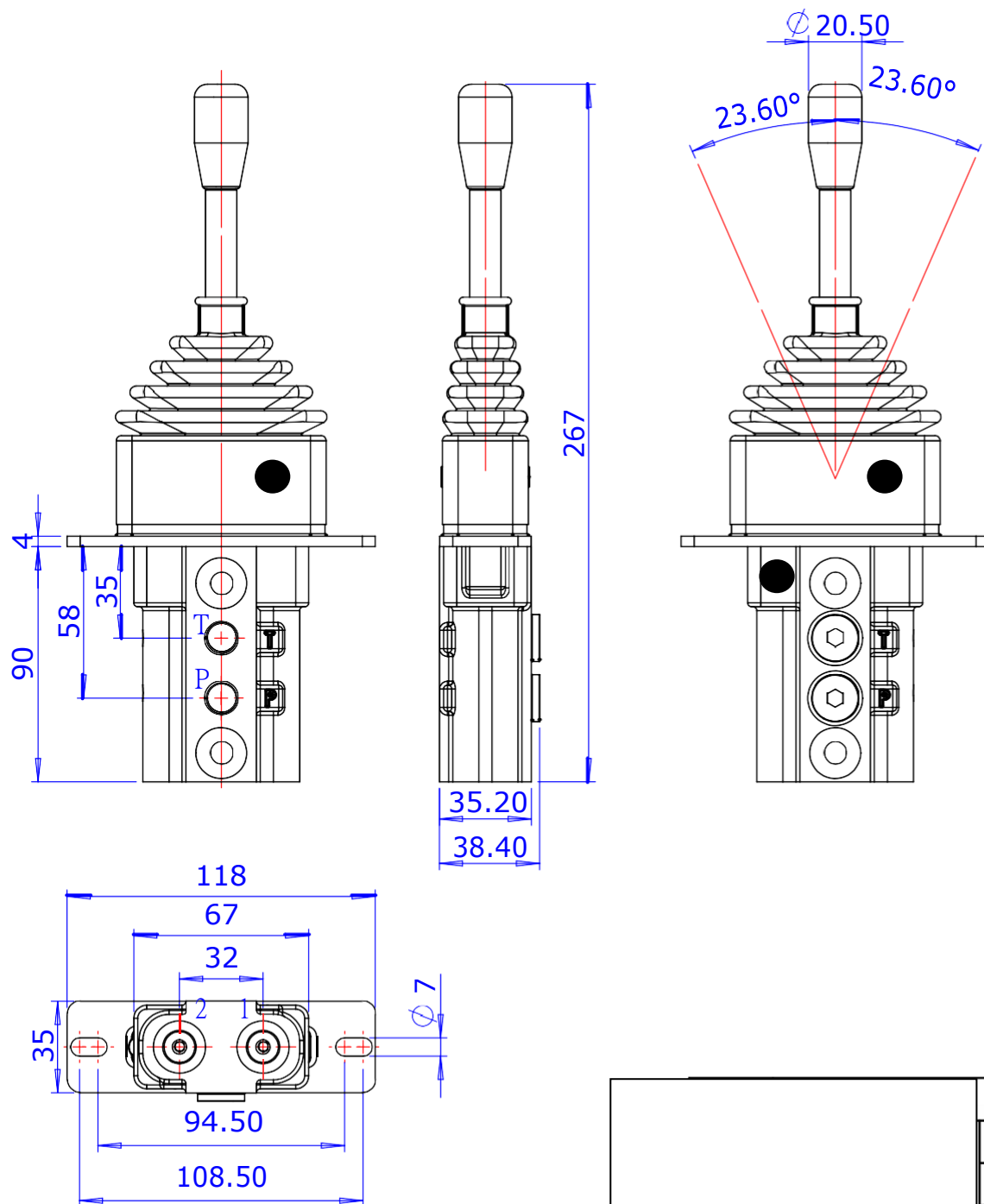


Standard threads

PORTS	BSP	UN-UNF	METRIC
Inlet P	G 1/4	7/16 - 20 (SAE 4)	M12x1.5
A and B ports	G 1/4	7/16 - 20 (SAE 4)	M12x1.5
Outlet T and power beyond C	G 1/4	7/16 - 20 (SAE 4)	M12x1.5

Flow	5~20 L/min	1.3~5.3 US gpm
Feeding pressure	30~100 bar	435~1450 psi
MAX. backpressure	3 bar	4.35 psi
Internal leakage at 30 bar/435 psi	10 ~ 18 cm ³ /min	0.61~1.1 in ³ /min
Fluid	mineral oil	
Fluid temperature	-10 ~ 80°C	-14 ~ 176°F
Ambient temperature	-40 ~ 60°C	-40 ~ 140°F





Standard threads

PORTS	BSP	UN-UNF	METRIC
Inlet P	G 1/4	7/16 - 20 (SAE 4)	M12x1.5
A and B ports	G 1/4	7/16 - 20 (SAE 4)	M12x1.5
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