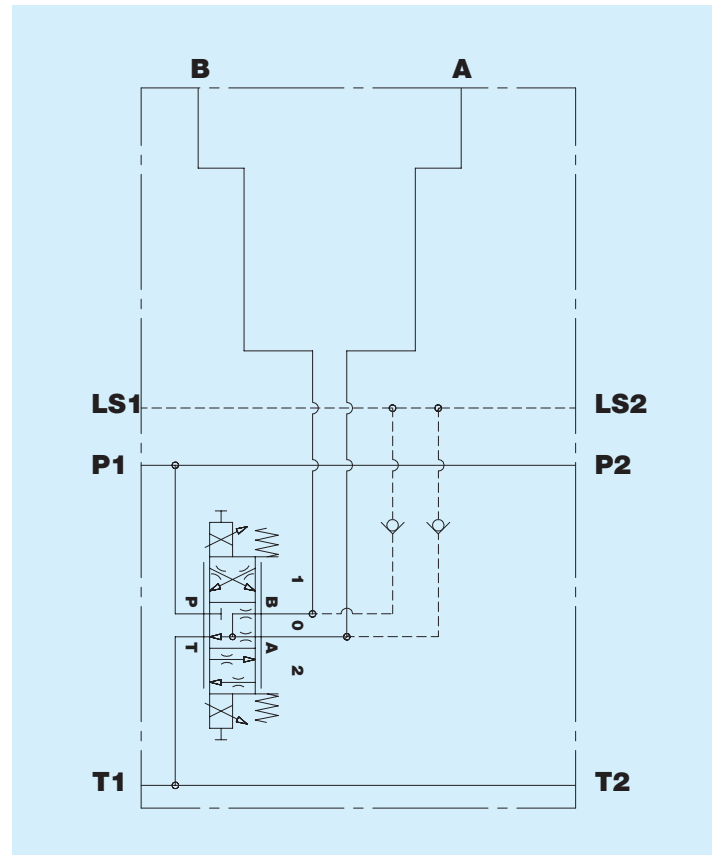


BW1033BP Element 4/3 Proportional Load sensing Interface IBW1033

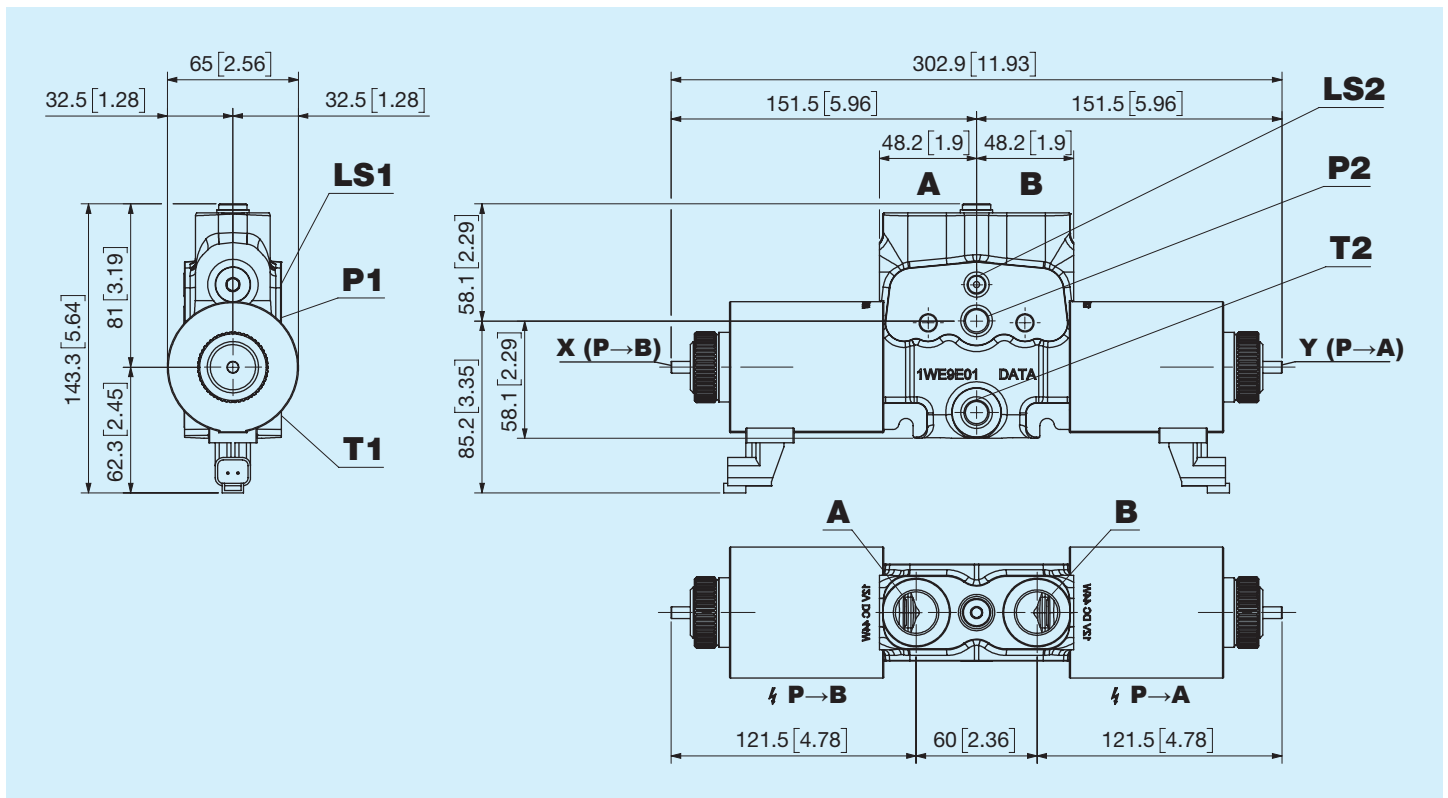


Before use, carefully read the GENERAL INSTRUCTIONS FOR USE OF DIRECTIONAL CONTROL VALVES

Nominal flow	85 l/min - $\Delta P=18$ bar 22.46 US gpm - $\Delta P=261$ psi
Nominal pressure	250 bar 3625 psi
Maximum tank pressure	50 bar 725 psi
Temperature range	-20°C +85°C NBR seals(max peak +100°C) -20°C + 130°C HNBR seals
Oil viscosity	from 15 mm ² /s to 90 mm ² /s (15 cSt to 90 cSt)
Fluid	Hydraulic fluids as defined in ISO 6743-4 standard
Weight	4.5 kg 9.88 lb
Interface	IBW1033
Hysteresis	<10%

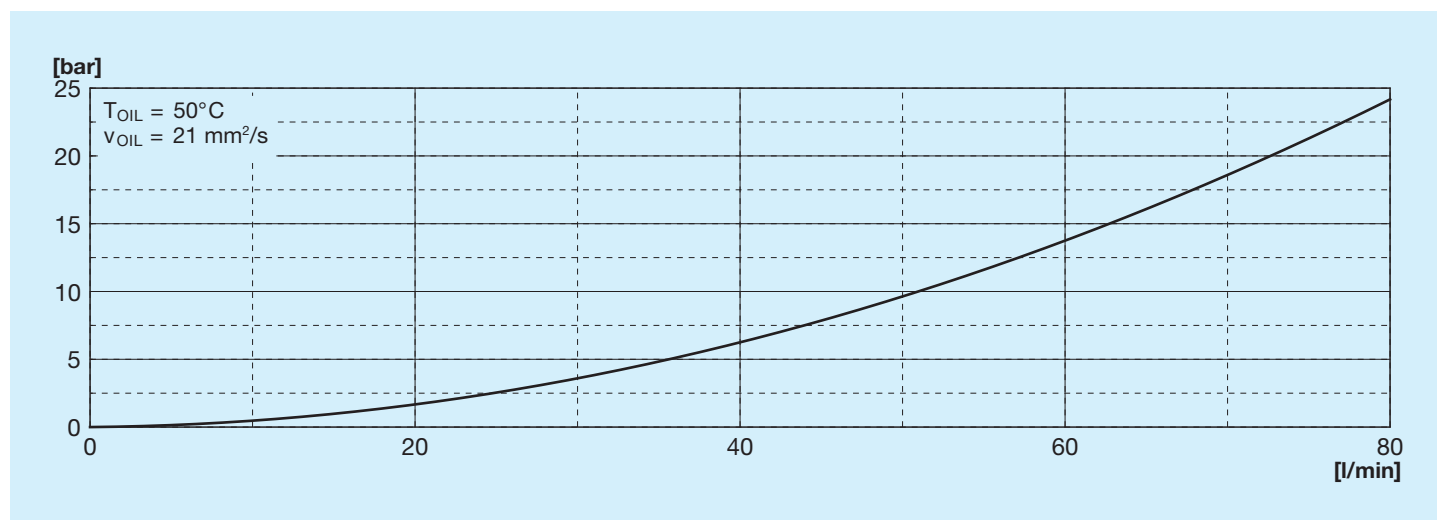


Dimensions

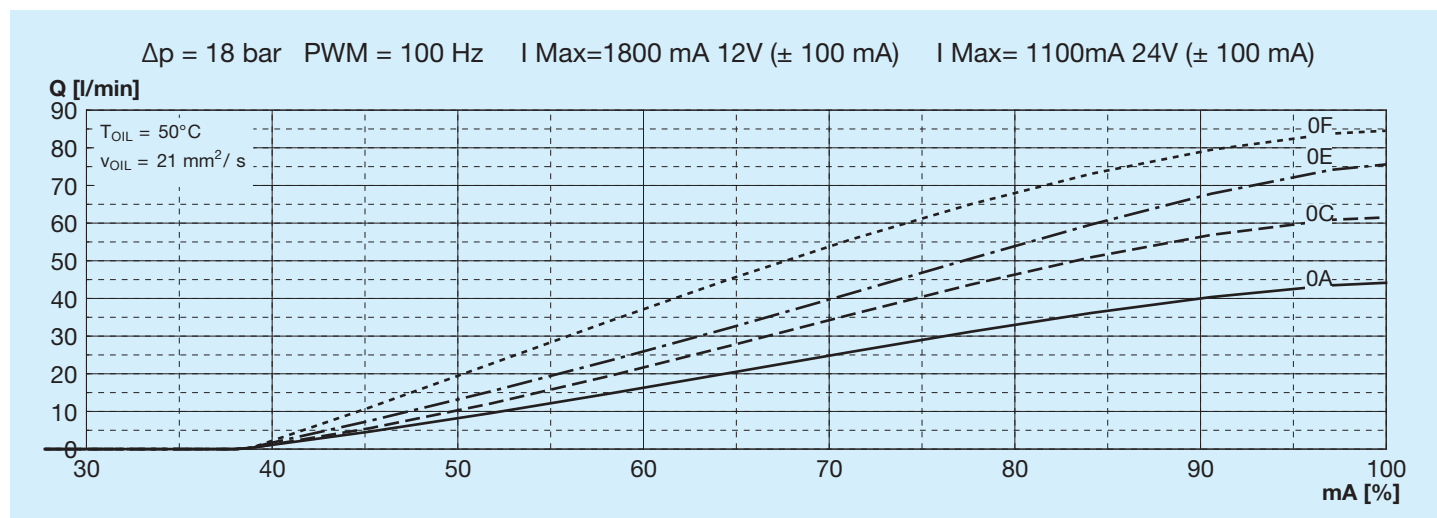


X - Y = Push type switch override

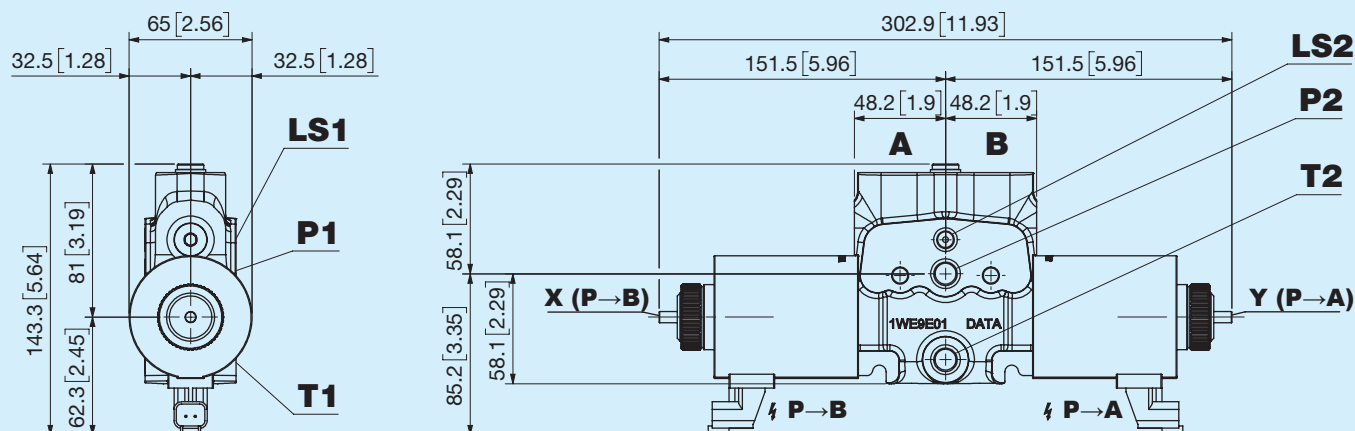
Flow curve A/B-T



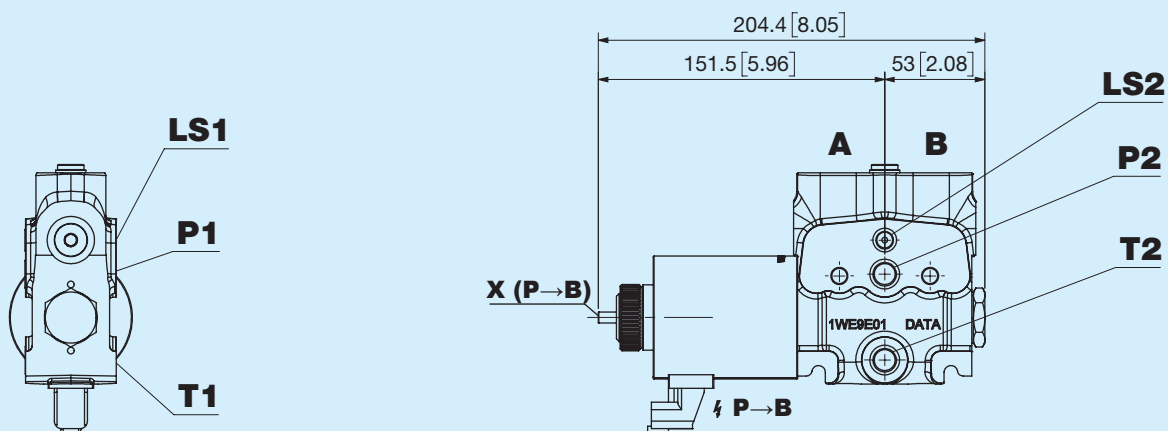
Flow curve Metering



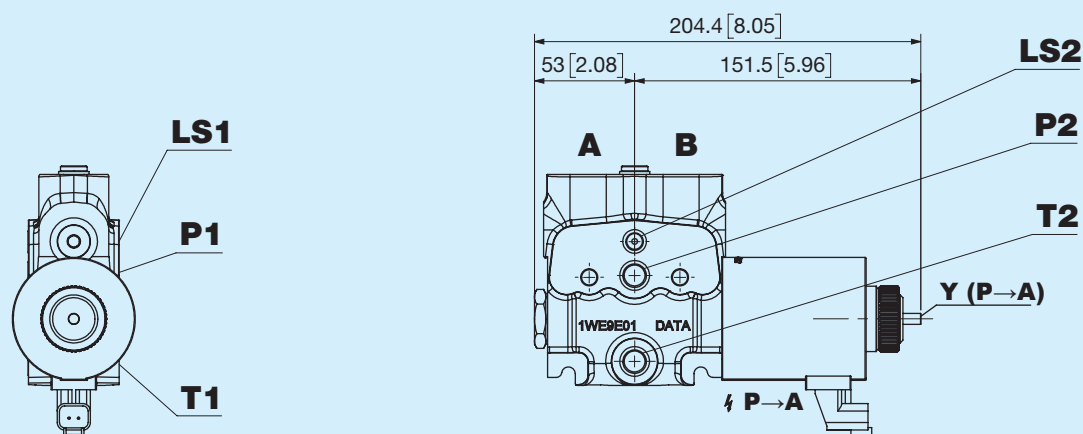
A Two coils, A and B port side



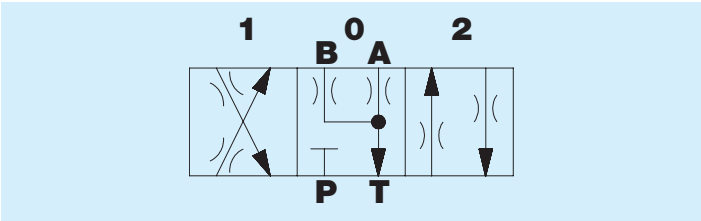
E One coil, A port side



F One coil, B port side



003 Spool type

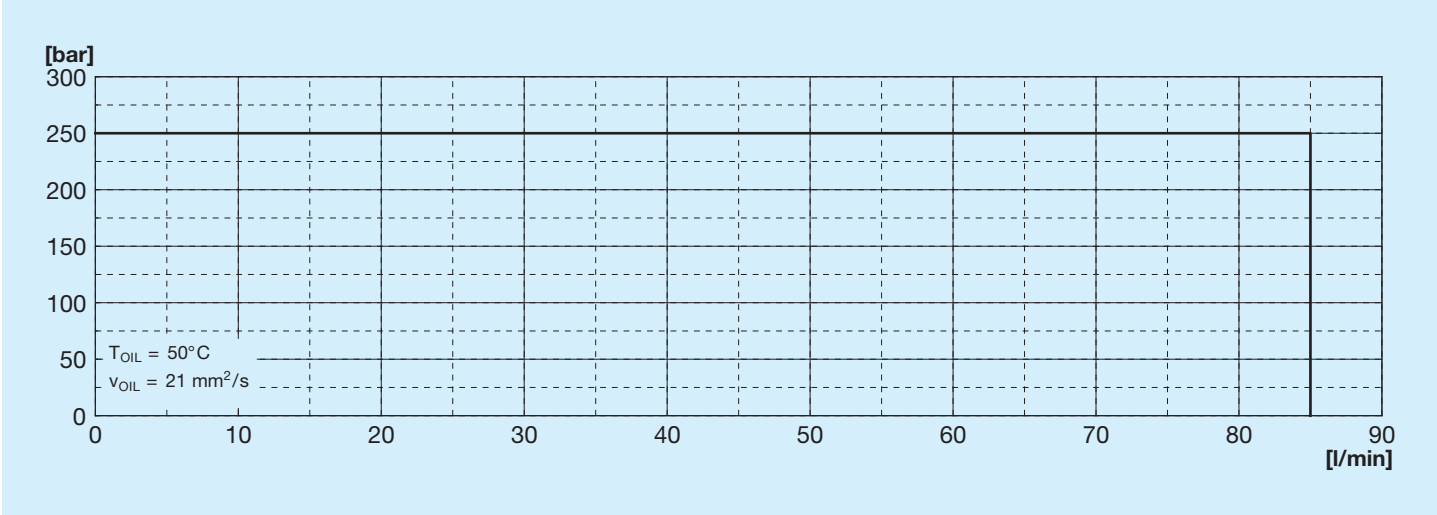


1	0	2
$P \rightarrow A$ $B \rightarrow T$	$A, B \rightarrow T$ $P \rightarrow T$	$P \rightarrow B$ $A \rightarrow T$

Flow rate

Model	l/min	US gpm
0A	45	11.89
0B	50	13.21
0C	60	15.85
0D	70	18.49
0E	75	19.81
0F	85	22.45

Performance limits for spool type



Thread Port A and B

Model	Type	Torque Nm
B	1/2" GAS ISO 1179	70
N	M22x1.5 ISO 9974	78
J	M22x1.5 ISO 6149	78
R	7/8" - 14 SAE ISO 11926	77

BW1033BP	1	2	3	4	5	6	7	8	9
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1	Configurations A Two coils, A and B port side E One coil, A port side F One coil, B port side								
2	3	4	Spool types 003 Spool type						
5	6	Flow rate $\Delta P = 18$ bar 0A 45 l/min - 11.89 US gpm 0C 60 l/min - 15.85 US gpm 0E 75 l/min - 19.81 US gpm 0B 50 l/min - 13.21 US gpm 0D 70 l/min - 18.49 US gpm 0F 85 l/min - 22.45 US gpm							
7	Thread Port A and B B 1/2" GAS ISO 1179 N M22x1.5 ISO 9974 J M22x1.5 ISO 6149 R 7/8" - 14 SAE ISO 11926								
8	Voltage and connector A 12V DIN 43650 B 24V DIN 43650 G 12V Deutsch H 24V Deutsch								
9	External treatment A External treatment N None								