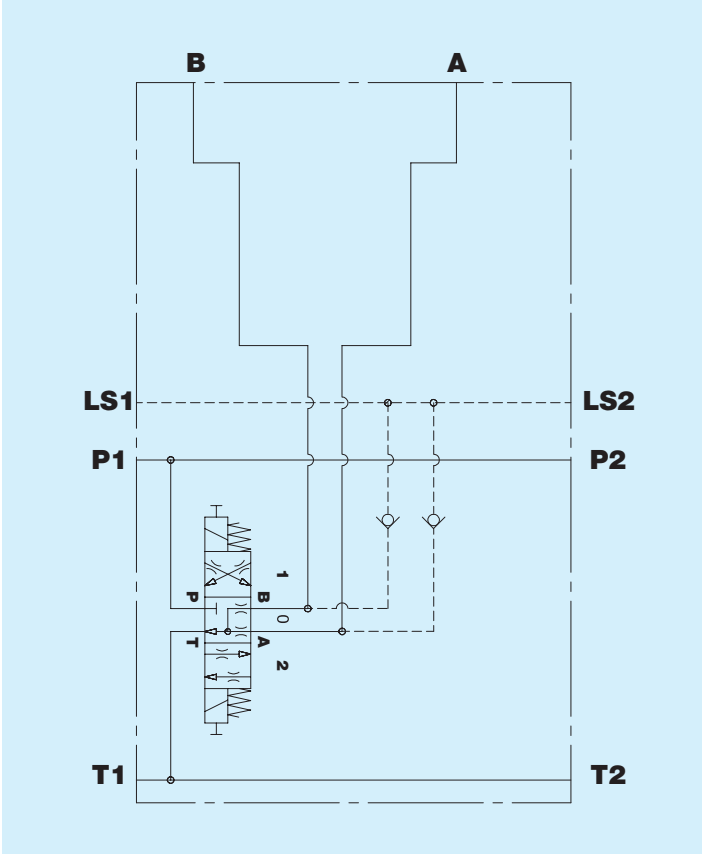


BW1033AO Element 4/3 ON - OFF
with Load sensing signal
Interface IBW1033

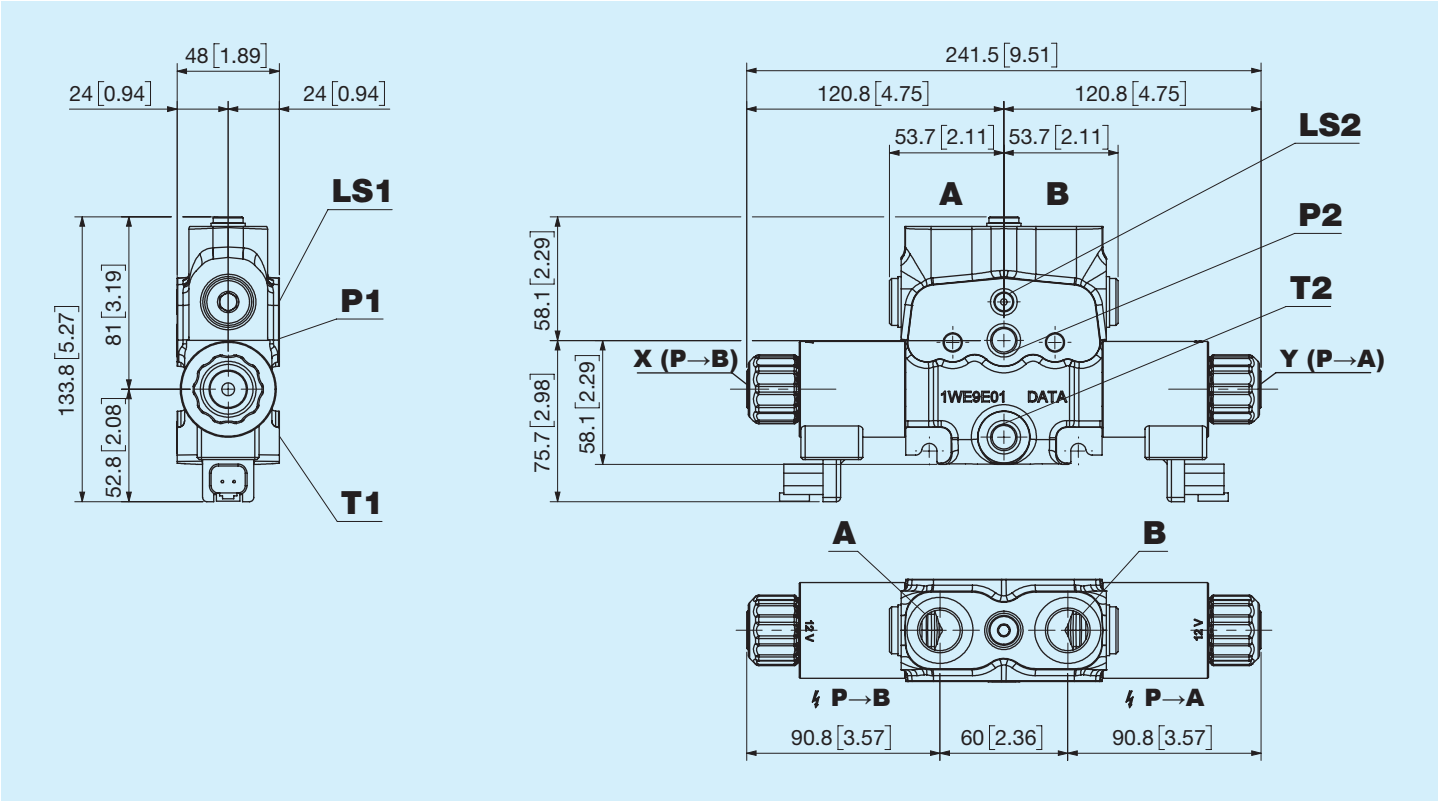


Before use, carefully read the GENERAL INSTRUCTIONS FOR USE OF DIRECTIONAL CONTROL VALVES

Nominal flow	80 l/min - $\Delta P=18$ bar 21,13 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 d	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	4.1 kg 9 lb
Interface	IBW1033

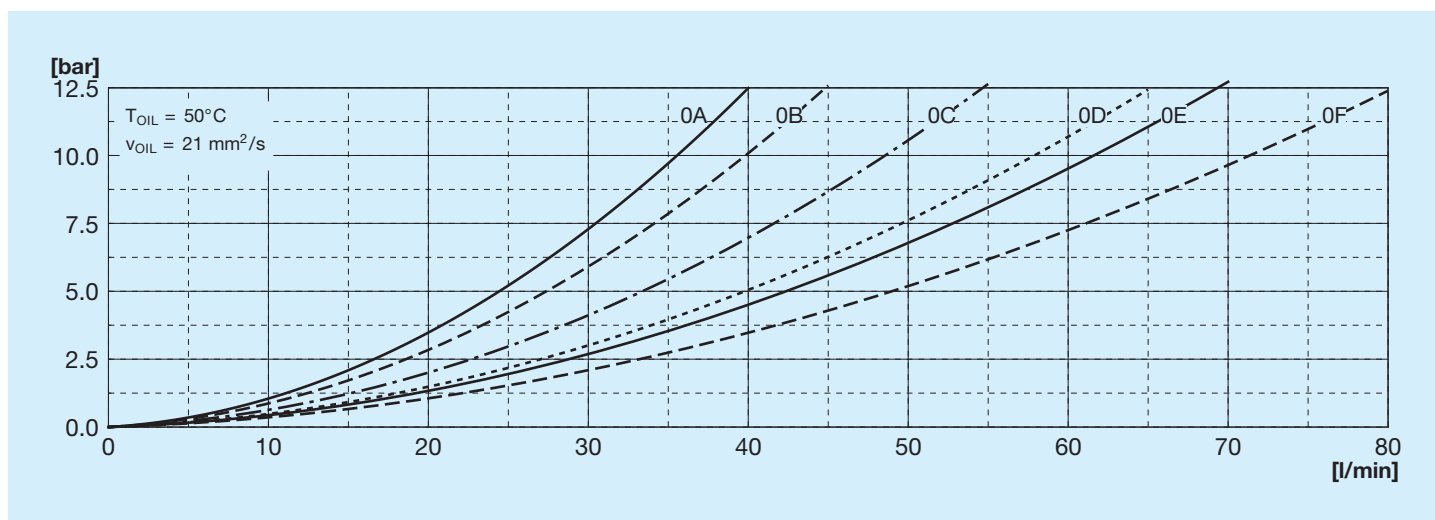


Dimensions

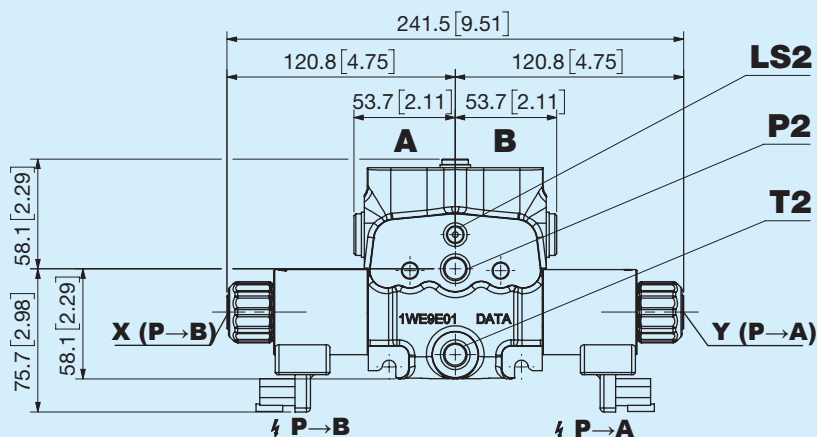
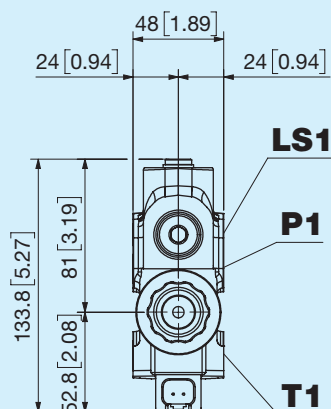


X - Y = Push type switch override

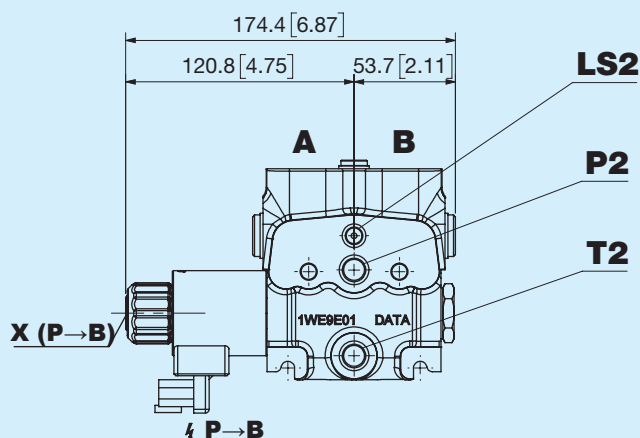
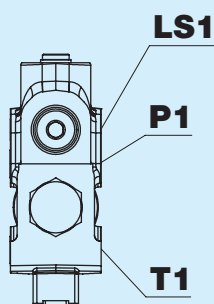
A/B-T flow curve



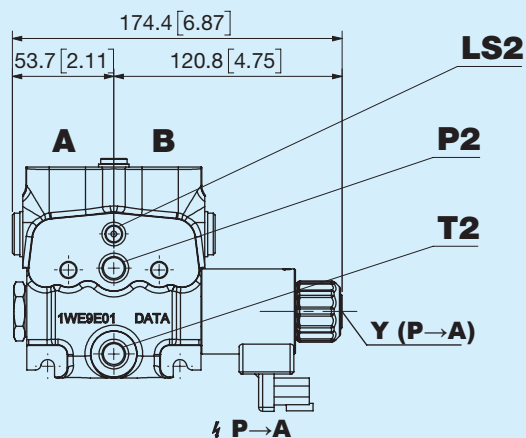
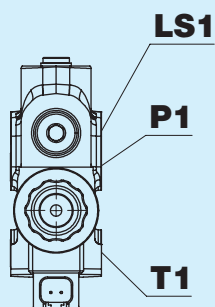
A Two coils, A and B port side



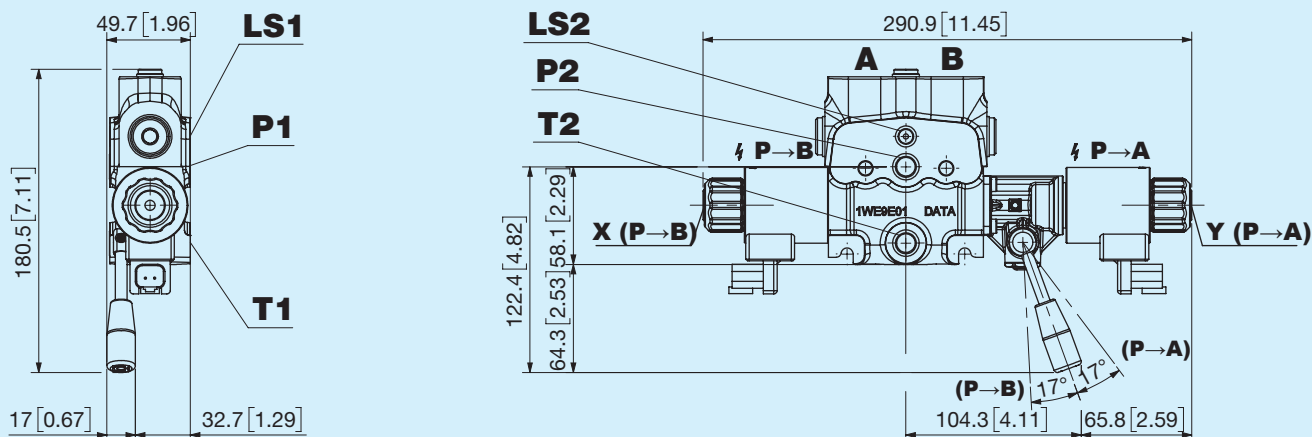
E One coil, A port side



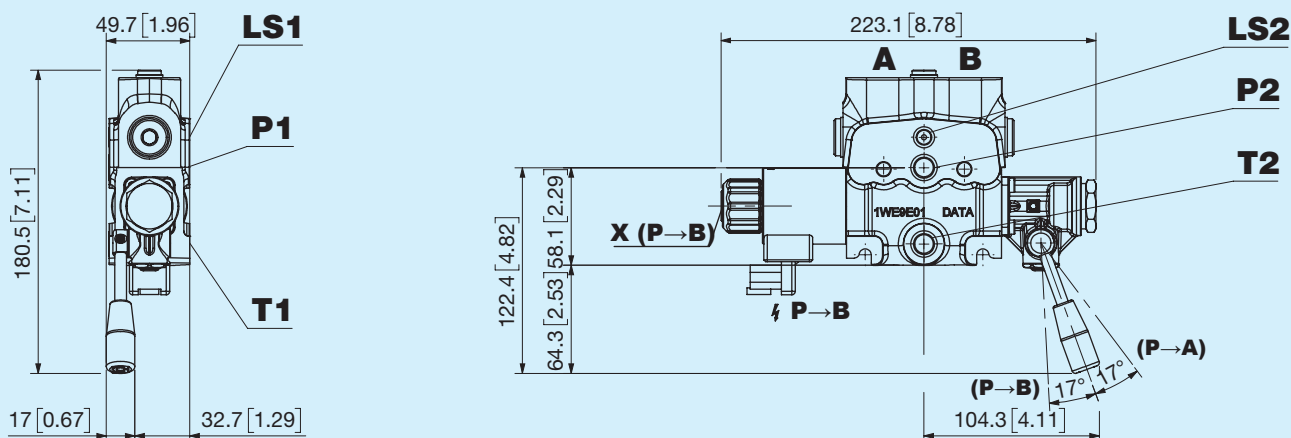
F One coil, B port side



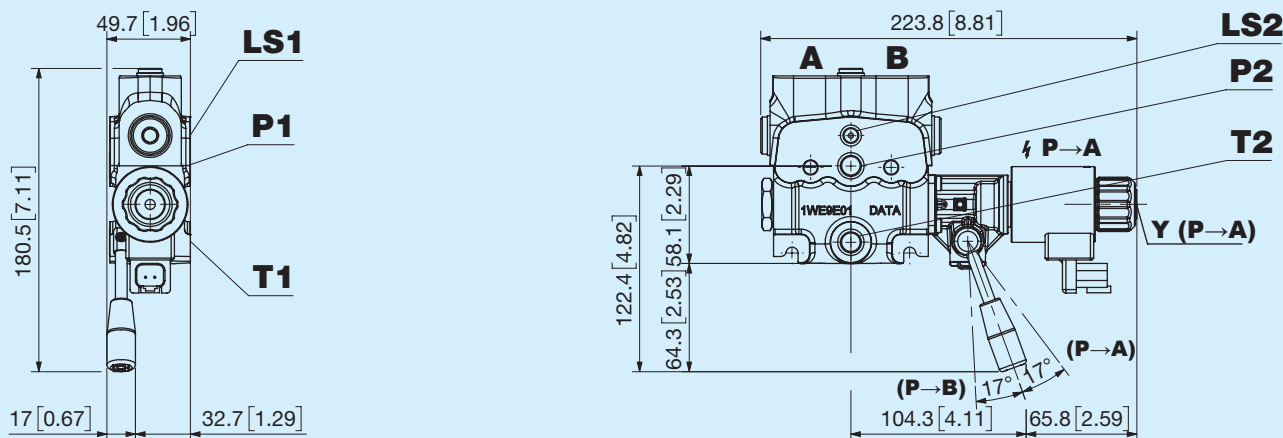
B Two coils, A and B port side with emergency lever



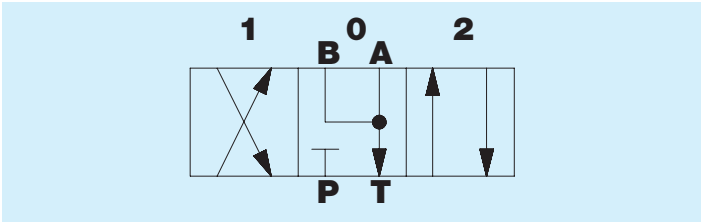
C One coil, A port side and emergency lever



D One coil, B port side and emergency lever



003 Spool type



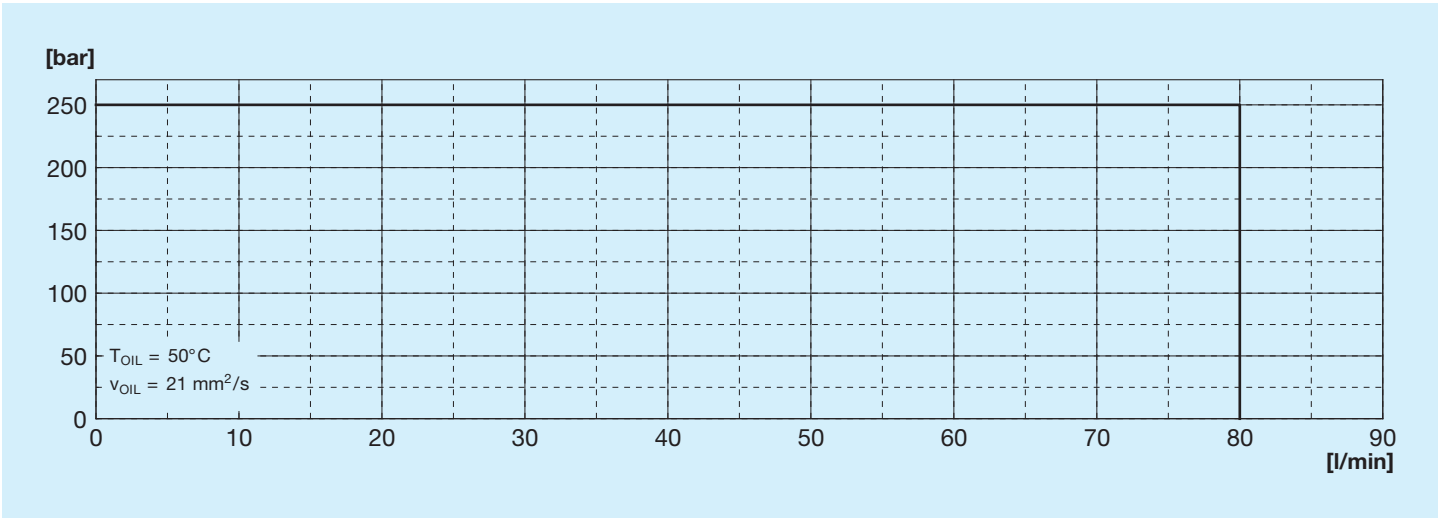
Positions

1	0	2
P→A B→T	B,A→T P—	P→B A→T

Flow rate

Model	l/min	US gpm
0A	40	10,57
0B	45	11,89
0C	55	14,53
0D	65	17,17
0E	70	18,49
0F	80	21,13

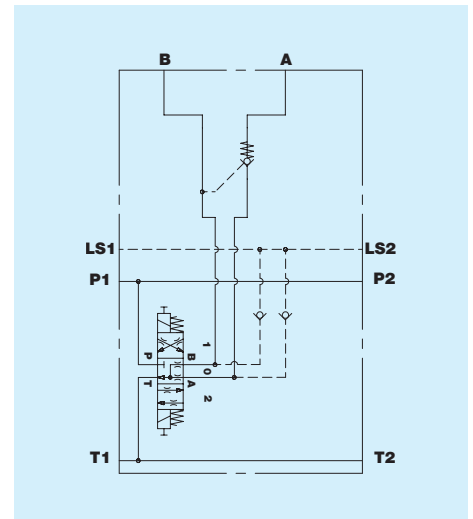
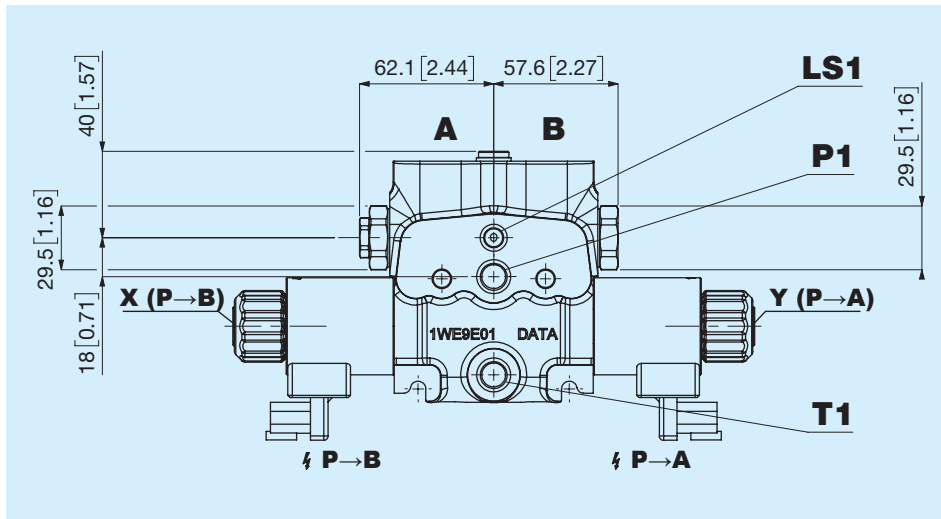
Performance limits for Spool type



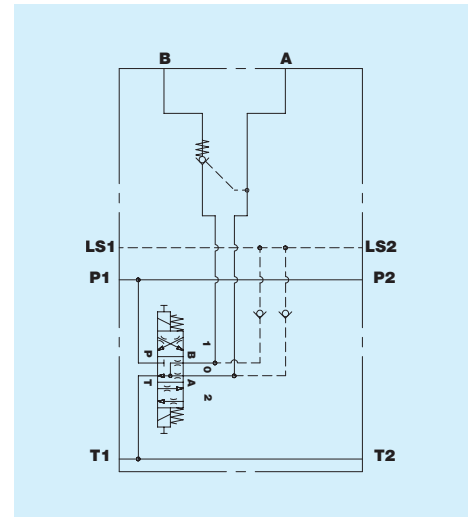
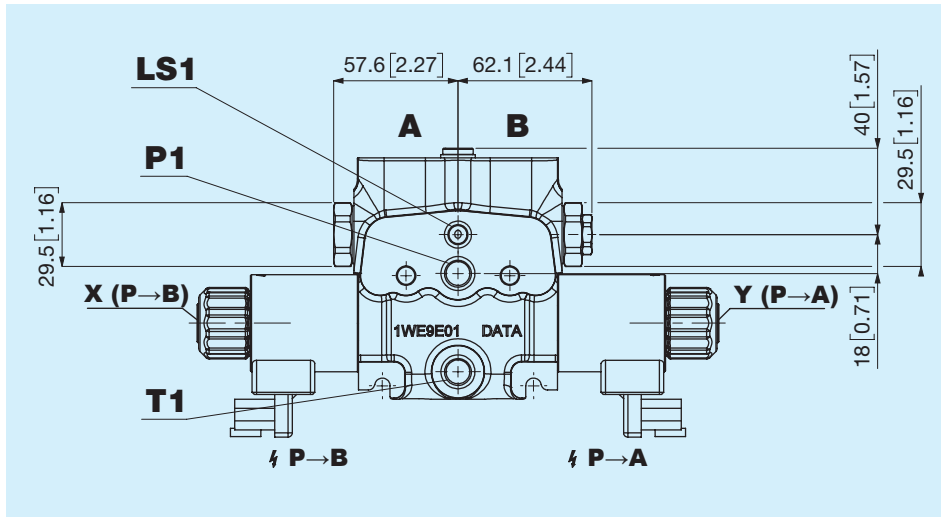
Thread Port A and B

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

VB Pilot check valve A port



VB Pilot check valve B port



BW1033AO	1	2	3	4	5	6	7	8	9	10	11	12	13
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1	Configurations A Two coils, A and B port side F One coil, B port side C One coil, A port side and emergency lever E One coil, A port side B Two coils, A and B port side with emergency lever D One coil, B port side and emergency lever												
2	3	4	Spool types 003 Spool type										
5	6	Flow rate $\Delta P = 18$ bar 0A 40 l/min - 10.57 US gpm 0C 55 l/min - 14.53 US gpm 0E 70 l/min - 18.49 US gpm 0B 45 l/min - 11.89 US gpm 0D 65 l/min - 17.17 US gpm 0F 80 l/min - 21.13 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	9	Port A valve type NN None TP Machined plugged VB Pilot check valve											
10	11	Valve type port B NN None TP Machined plugged VB Pilot check valve											
12	Voltage and connector A 12V DIN 43650 B 24V DIN 43650 G 12V Deutsch H 24V Deutsch												
13	External coating A External coating N None												