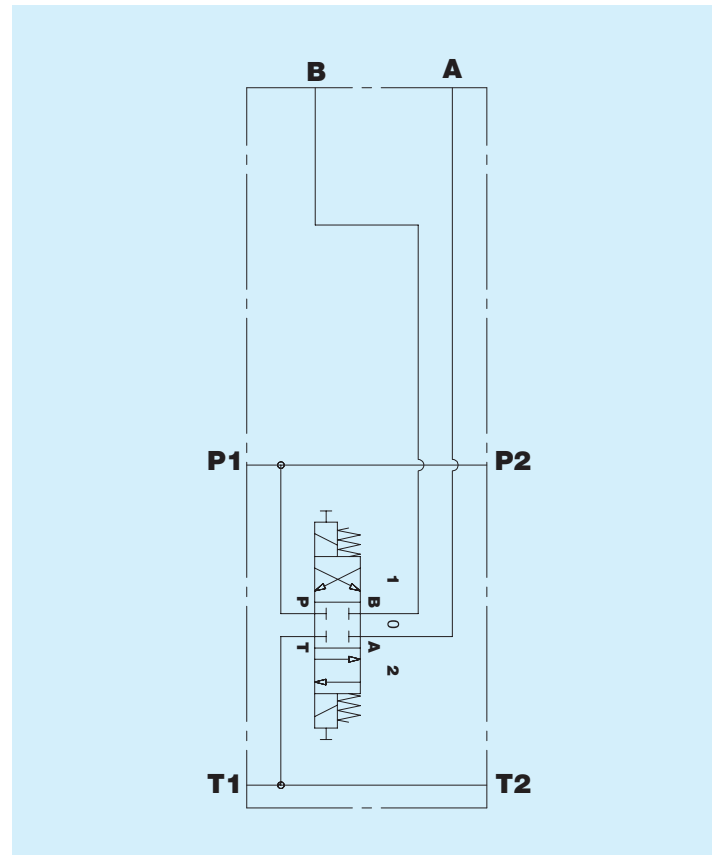


BW0500AO Element 4/3 with side ports IBW0500 Interface

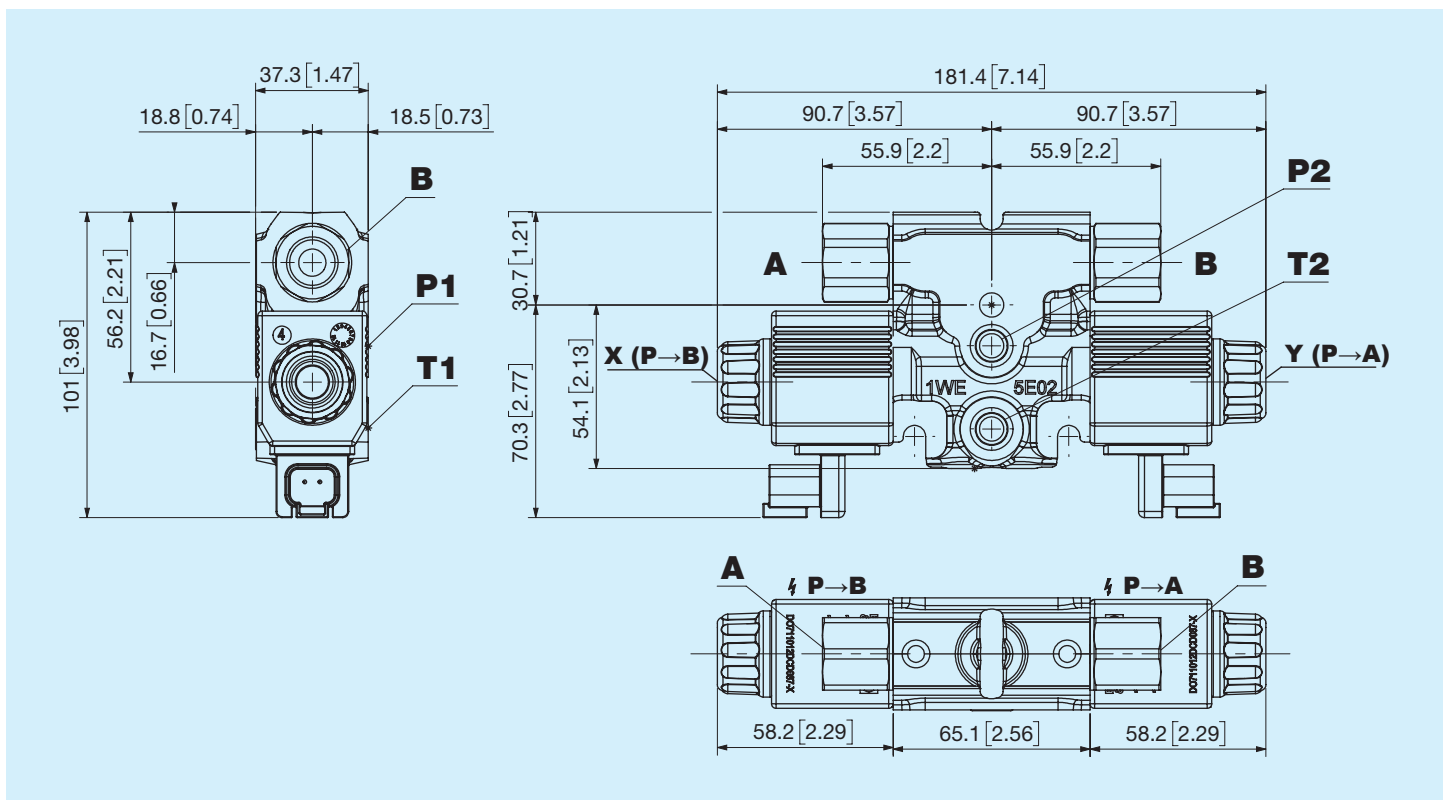


Before use, carefully read the GENERAL INSTRUCTIONS FOR USE OF DIRECTIONAL CONTROL VALVES

Nominal flow	50 l/min 13.2 US gpm
Nominal pressure	250 bar 3625 psi
Maximum tank pressure	50 bar 725 psi
Internal leakage	40 ± 20 cc/min (21 cSt - 100 bar)
Temperature range	-20°C +85°C NBR seals (max peak +100°C) -20°C + 130°C HNBR seals
Oil viscosity	from 15 mm²/s to 90 mm²/s (15 cSt to 90 cSt)
Fluid	Hydraulic fluids as defined in ISO 6743-4 standard
Weight	1.6 kg 3.5 lb
Interface	IBW0500

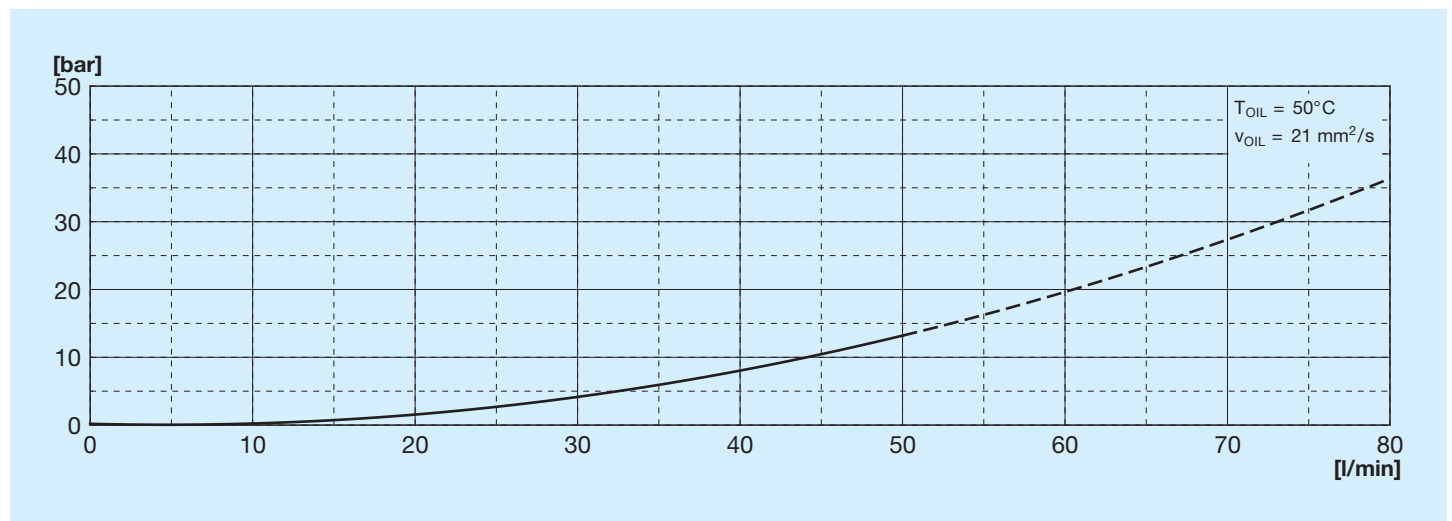


Dimensions

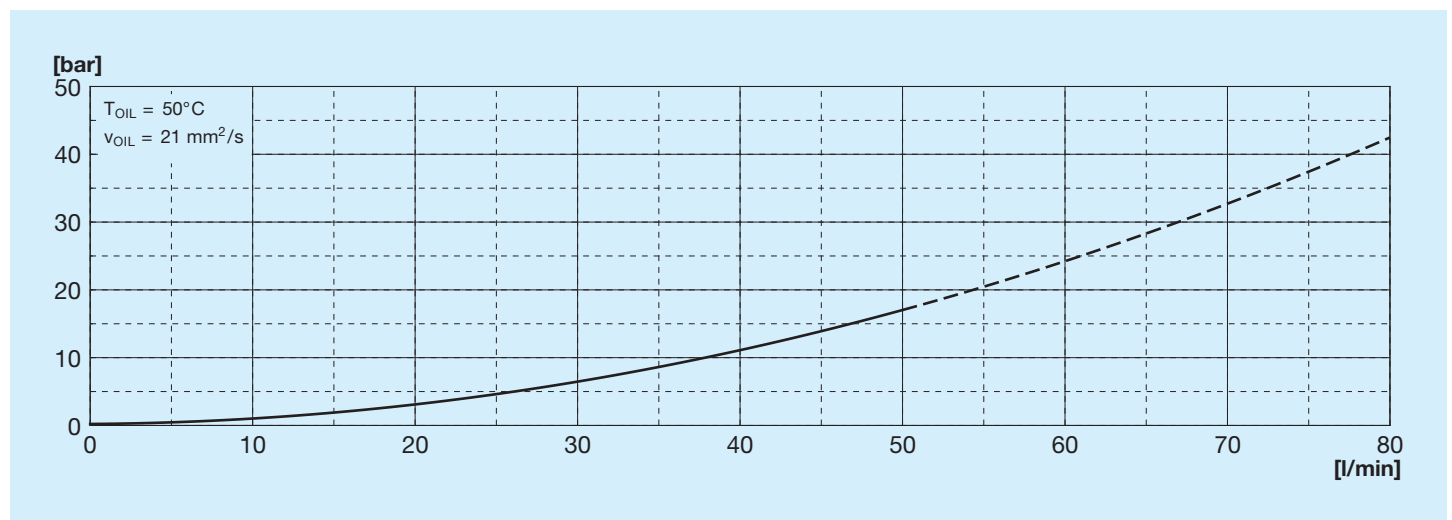


X - Y = Push type manual override

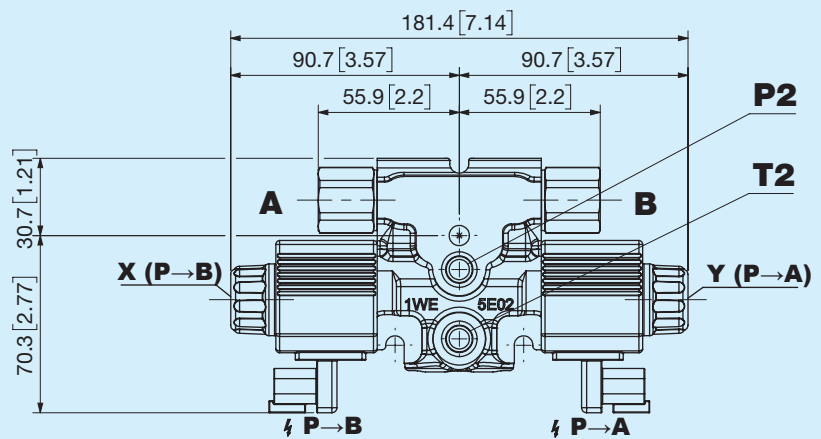
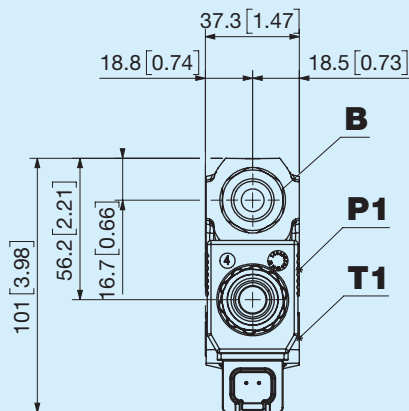
P-A/B flow curve



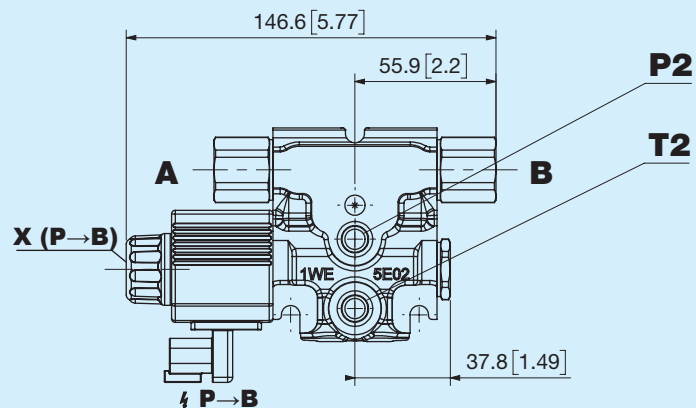
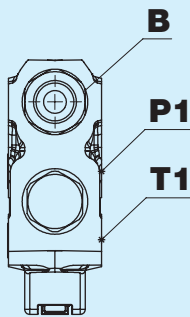
A/B-T flow curve



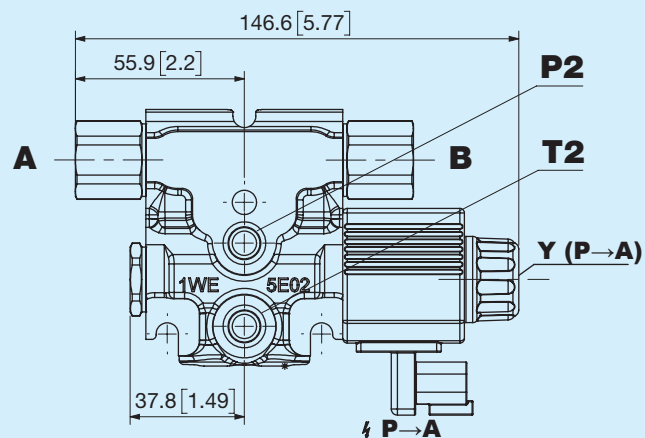
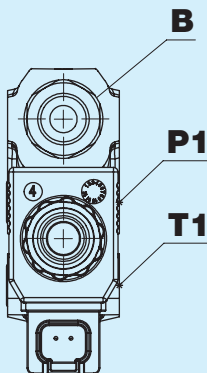
A Two coils, A and B port side



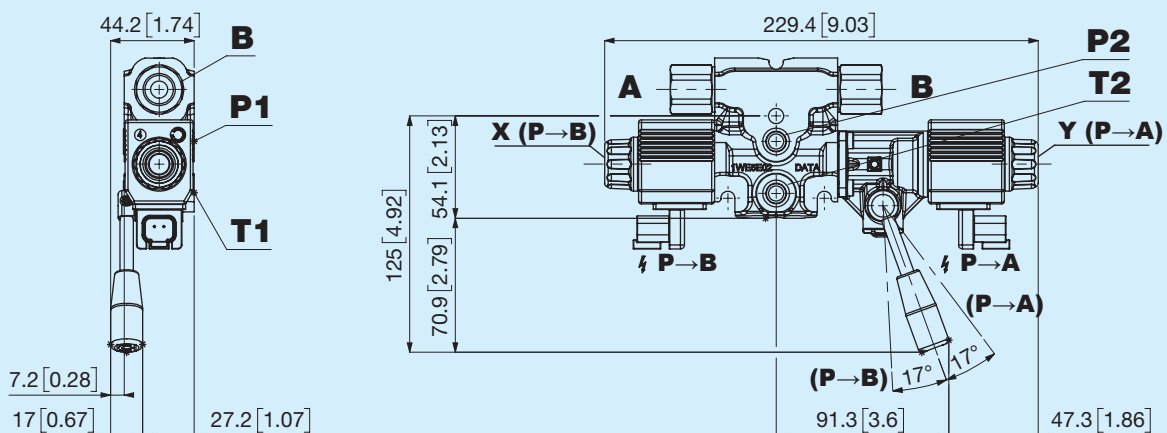
E One coil, A port side



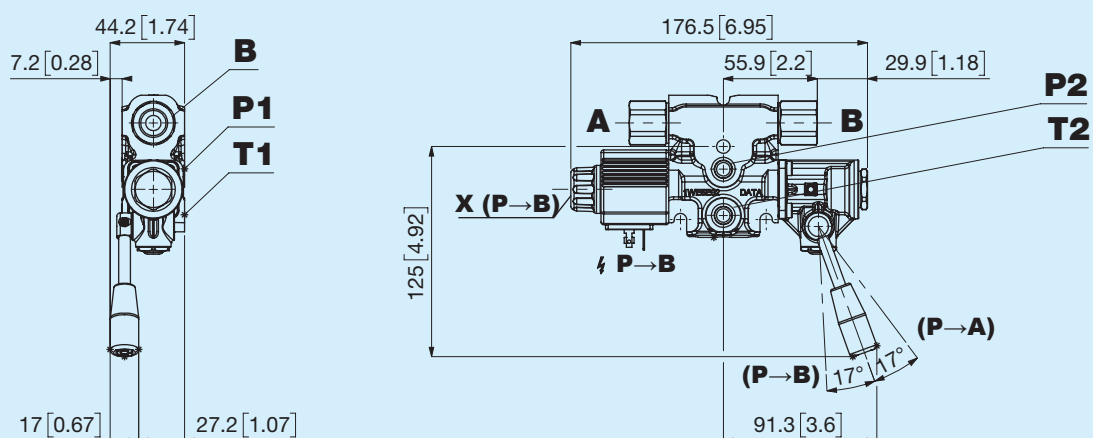
F One coil, B port side



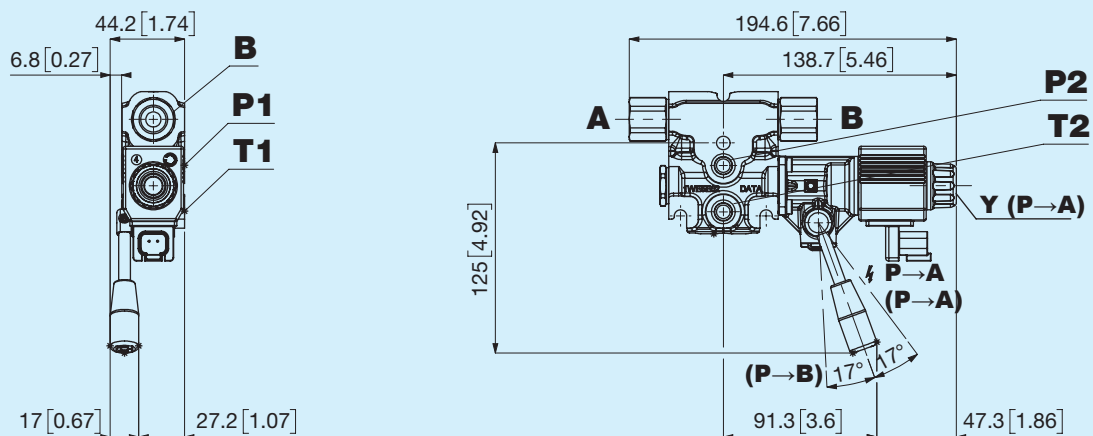
B Two coils, A and B port side with emergency lever



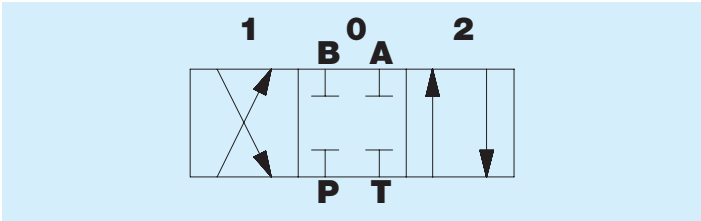
C One coil, A port side with emergency lever



D One coil, B port side with emergency lever



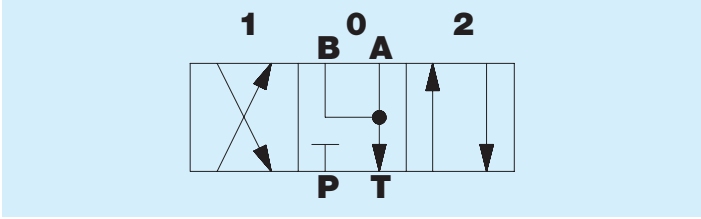
001 Spool type



Positions

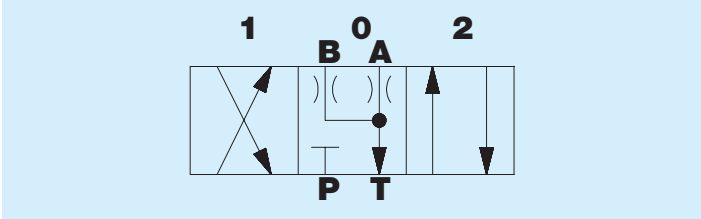
1	0	2
$P \rightarrow A$ $B \rightarrow T$	$P \rightarrow T$ $A \rightarrow B$	$P \rightarrow B$ $A \rightarrow T$

003 Spool type



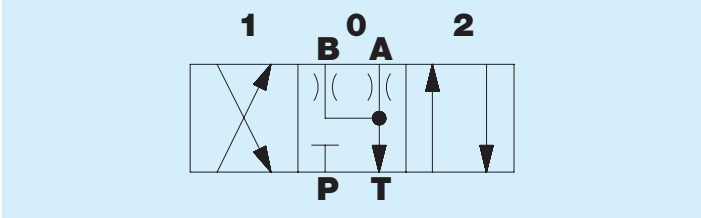
1	0	2
$P \rightarrow A$ $B \rightarrow T$	$A, B \rightarrow T$ $P \rightarrow$	$P \rightarrow B$ $A \rightarrow T$

03S Spool type



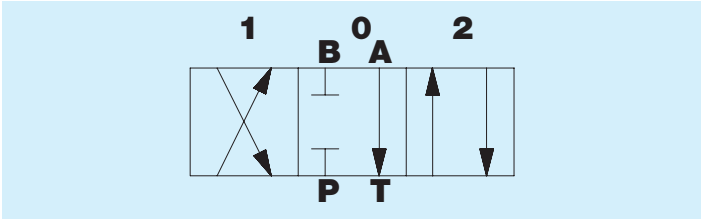
1	0	2
$P \rightarrow A$ $B \rightarrow T$	$A, B \rightarrow T$ $P \rightarrow$	$P \rightarrow B$ $A \rightarrow T$

3SS Spool type



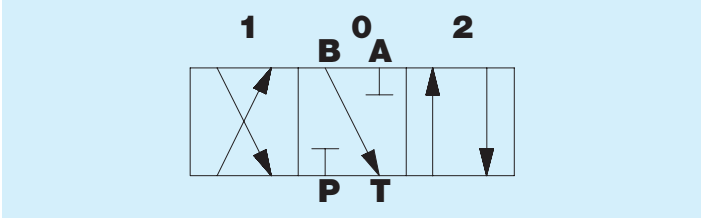
1	0	2
$P \rightarrow A$ $B \rightarrow T$	$A, B \rightarrow T$ $P \rightarrow$	$P \rightarrow B$ $A \rightarrow T$

008 Spool type



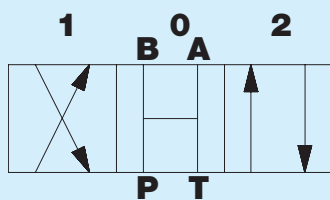
1	0	2
$P \rightarrow A$ $B \rightarrow T$	$A \rightarrow T$ $B, P \rightarrow$	$P \rightarrow B$ $A \rightarrow T$

010 Spool type



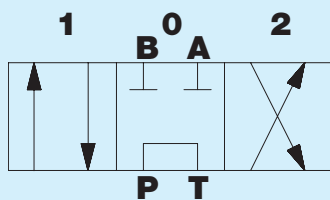
1	0	2
$P \rightarrow A$ $B \rightarrow T$	$B \rightarrow T$ $A, P \rightarrow$	$P \rightarrow B$ $A \rightarrow T$

038 Spool type



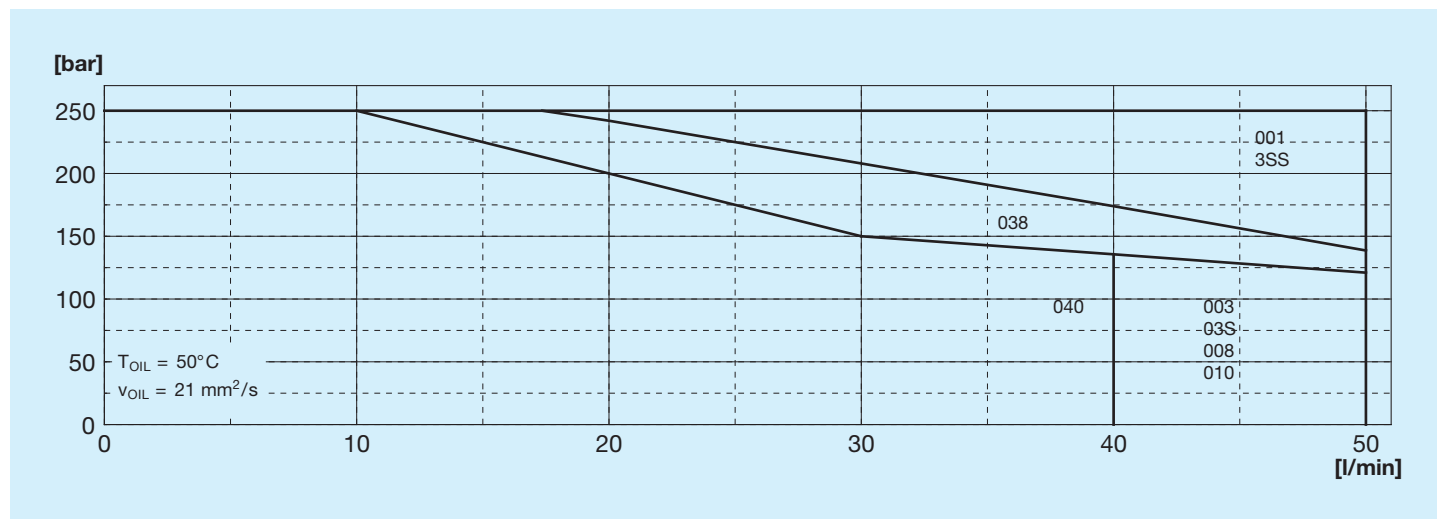
1	0	2
$P \rightarrow A$ $B \rightarrow T$	$P, A, B \rightarrow T$	$P \rightarrow B$ $A \rightarrow T$

040 Spool type



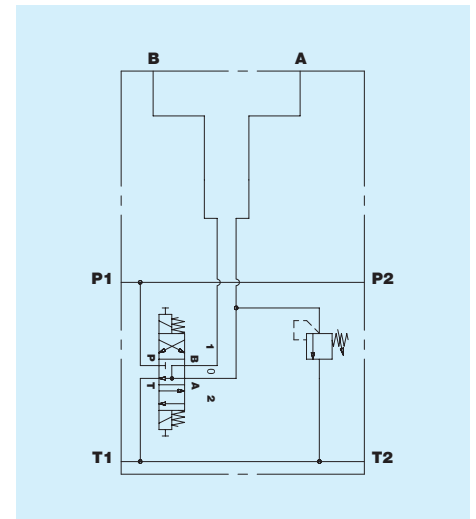
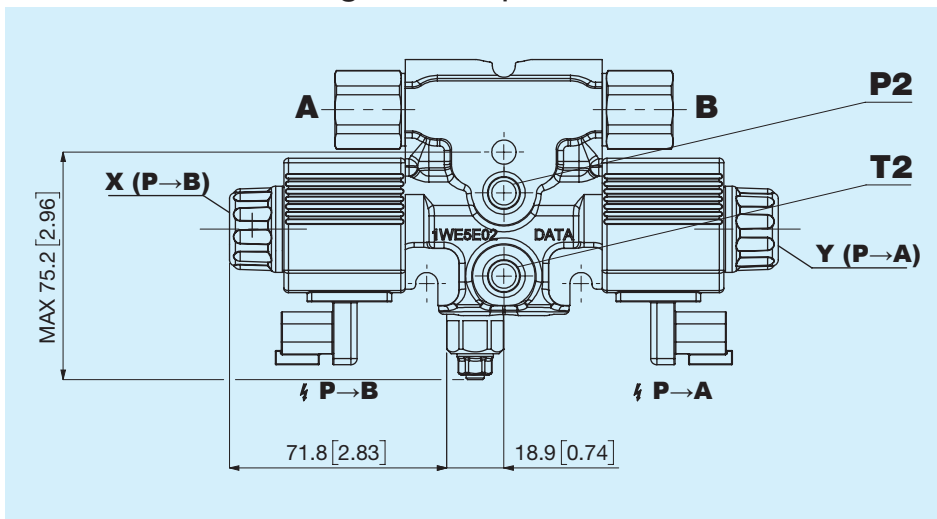
1	0	2
$P \rightarrow B$ $A \rightarrow T$	$P \rightarrow T$ $A, B \rightarrow \text{block}$	$P \rightarrow A$ $B \rightarrow T$

Performance limits for Spool type

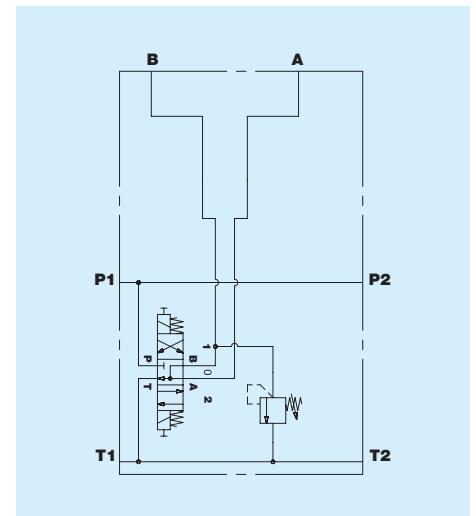
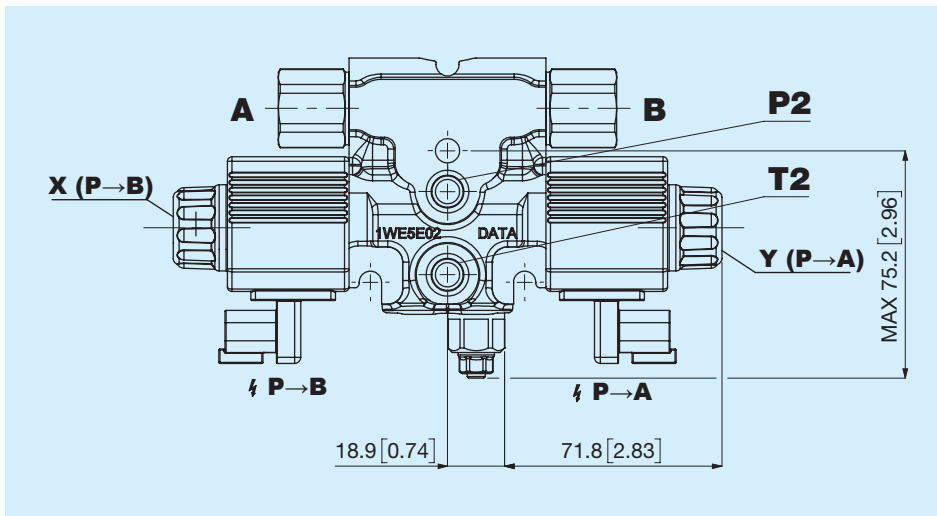


Model	Type	Torque Nm
A	3/8" GAS ISO 1179	40
C	M18x1.5 ISO 9974	40
W	M18x1.5 ISO 6149	40
E	3/4" 16 SAE ISO 11926	50

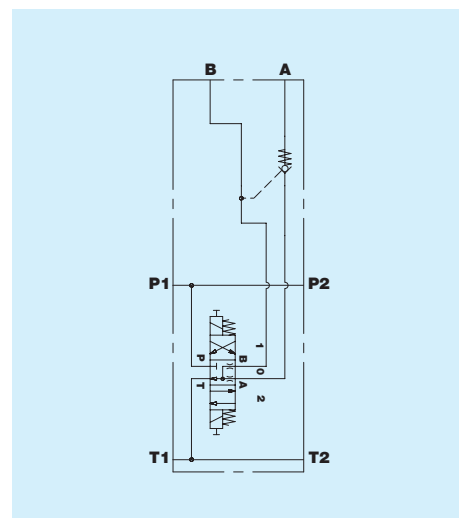
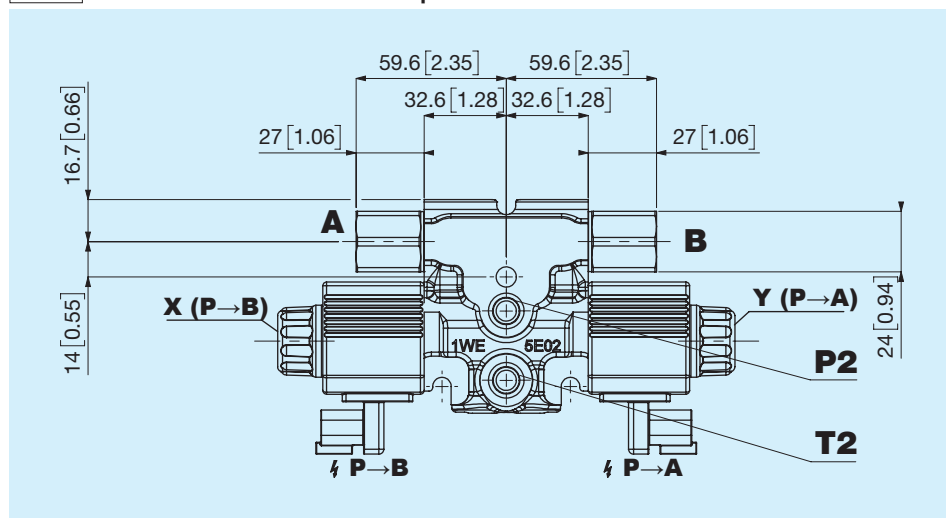
VL - Pressure limiting valve A port



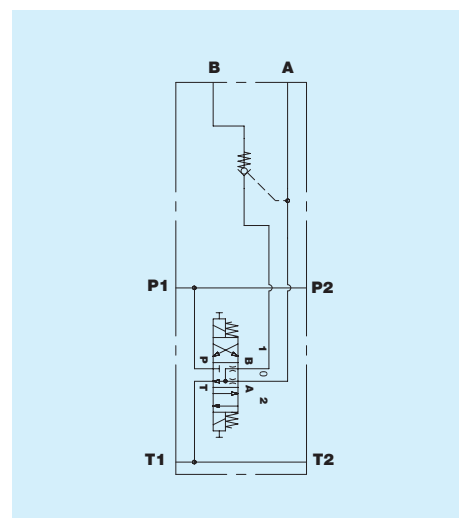
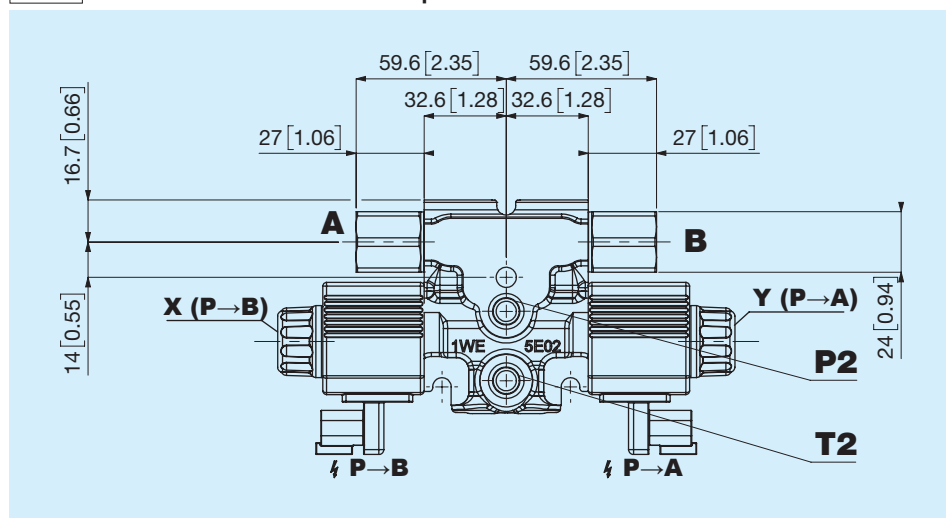
VL - Pressure limiting valve B port



VB Pilot check valve A port



VB Pilot check valve B port



BW0500AO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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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														
			001 Spool type	03S Spool type				008 Spool type				038 Spool type					
			003 Spool type	3SS Spool type				010 Spool type				040 Spool type					
5	Thread type																
	F Female								M Male								
6	Thread Port A and B																
	A 3/8" GAS ISO 1179				C M18x1.5 ISO 9974				W M18x1.5 ISO 6149				E 3/4" - 16 SAE ISO 11926				
7	8	VL Pressure limiting valve below port A															
		NN None	09 VL 90 bar				15 VL 150 bar				21 VL 210 bar						
		04 VL 40 bar	10 VL 100 bar				16 VL 160 bar				22 VL 220 bar						
		05 VL 50 bar	11 VL 110 bar				17 VL 170 bar				23 VL 230 bar						
		06 VL 60 bar	12 VL 120 bar				18 VL 180 bar										
		07 VL 70 bar	13 VL 130 bar				19 VL 190 bar										
		08 VL 80 bar	14 VL 140 bar				20 VL 200 bar										
9	10	VL Pressure limiting valve below port B															
		NN None	09 VL 90 bar				15 VL 150 bar				21 VL 210 bar						
		04 VL 40 bar	10 VL 100 bar				16 VL 160 bar				22 VL 220 bar						
		05 VL 50 bar	11 VL 110 bar				17 VL 170 bar				23 VL 230 bar						
		06 VL 60 bar	12 VL 120 bar				18 VL 180 bar										
		07 VL 70 bar	13 VL 130 bar				19 VL 190 bar										
		08 VL 80 bar	14 VL 140 bar				20 VL 200 bar										
11	12	Port A valve type															
		NN None								VB Pilot check valve							
13	14	Port B valve type															
		NN None								VB Pilot check valve							
15	Voltage and connector																
	A 12V DIN 43650				B 24V DIN 43650				G 12V Deutsch				H 24V Deutsch				
16	External coating																
	A External coating								N None								