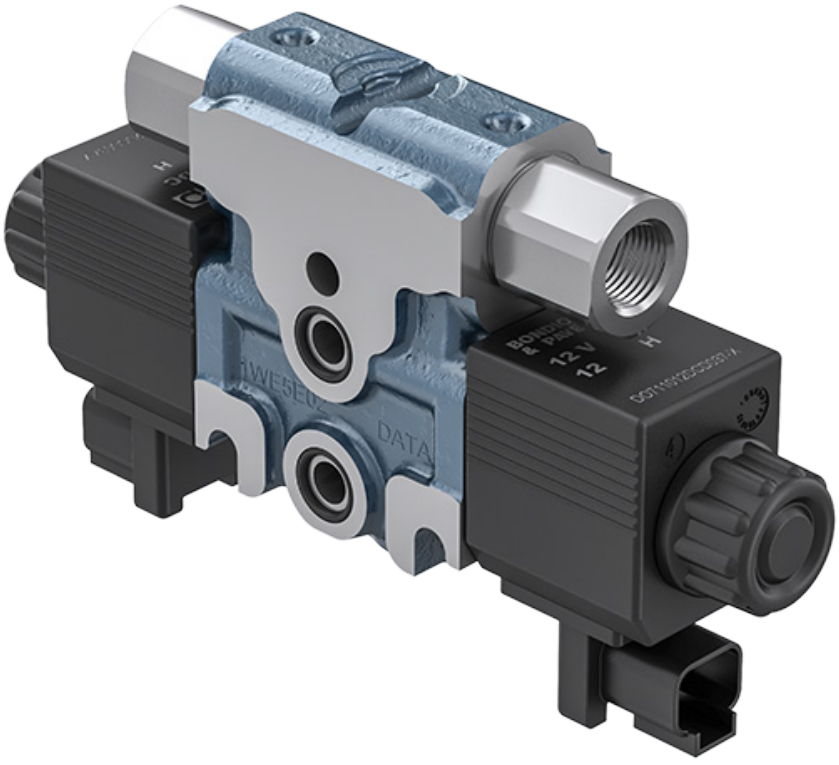
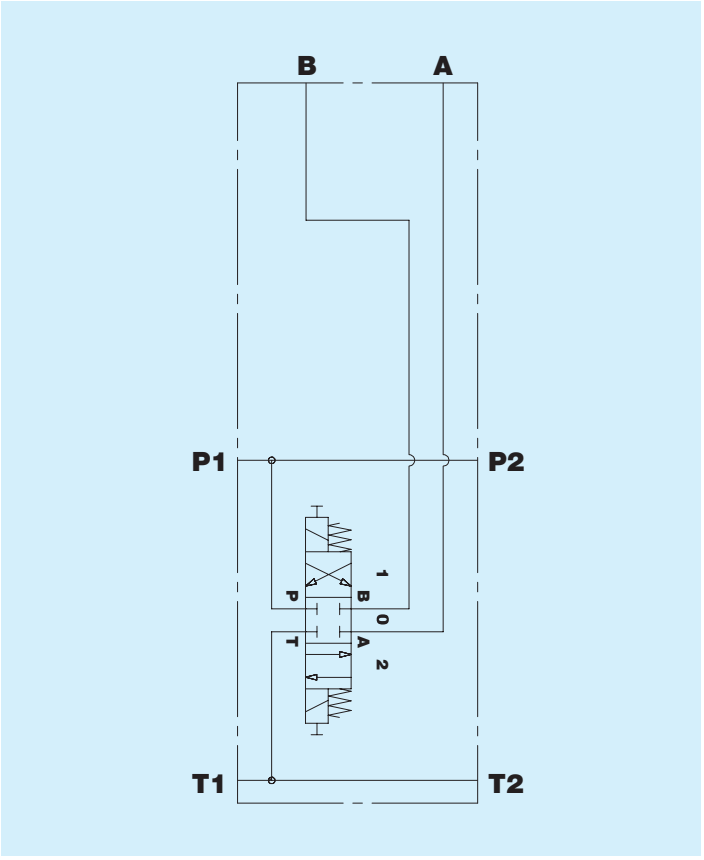
BW0500AO Element 4/3 ON-OFF Side ports
IBW0500 Interface

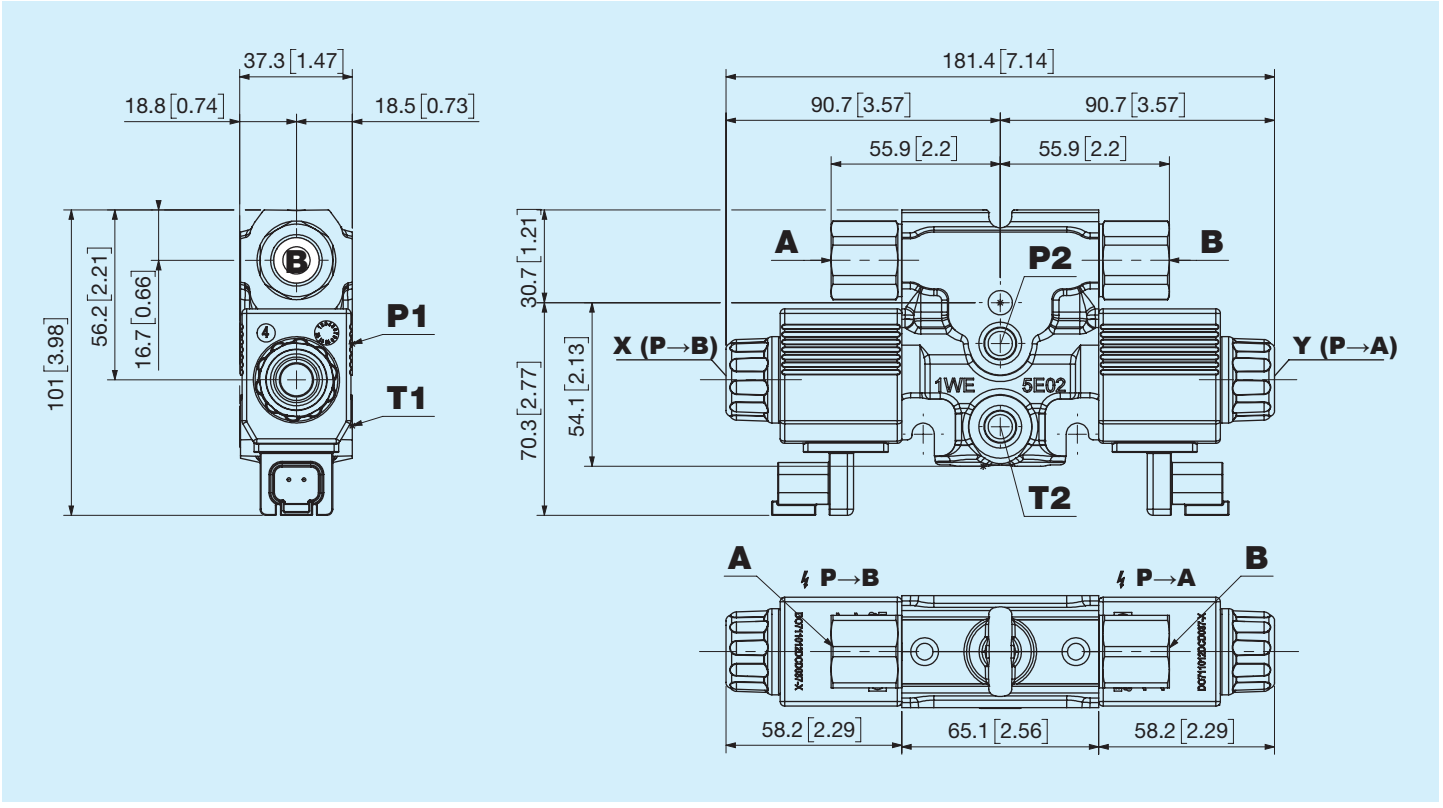


Before use, carefully read the GENERAL INSTRUCTIONS FOR USE OF DIRECTIONAL CONTROL VALVES

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**

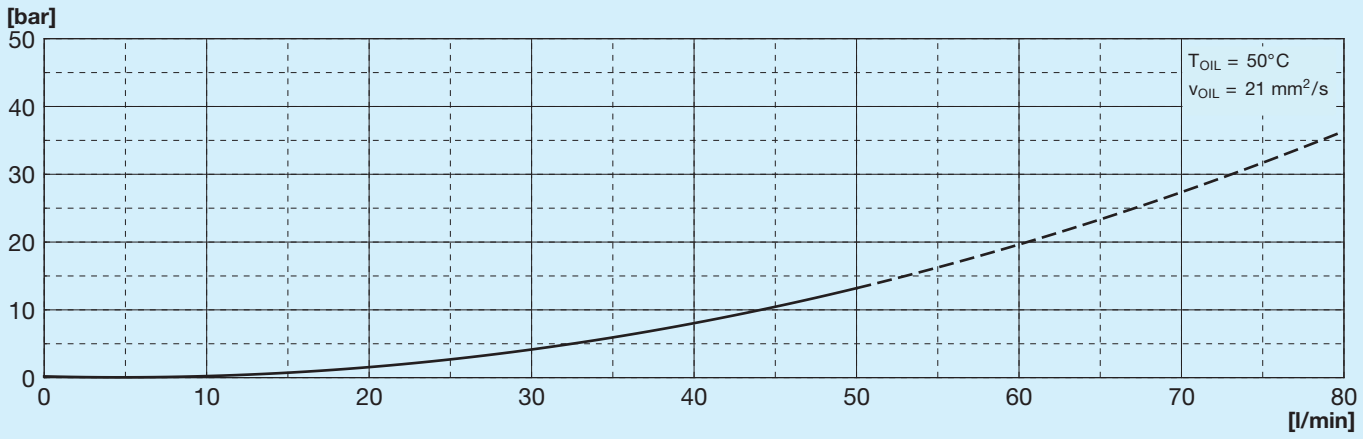


Overall dimensions



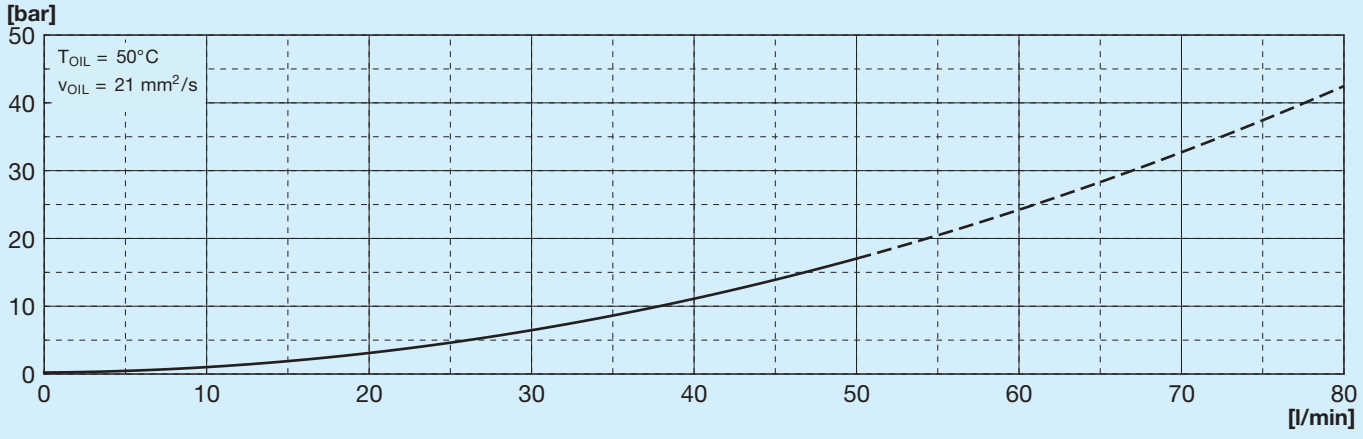
X - Y = Push type manual override

Pressure drop P-A/B



Test parameters: Circuit **001**

Pressure drop A/B-T

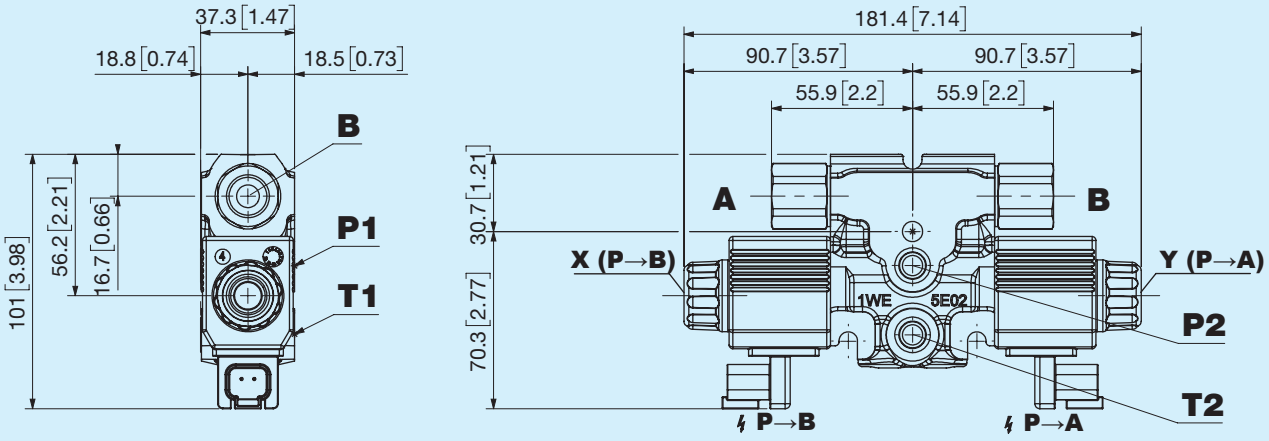


Test parameters: Circuit **001**

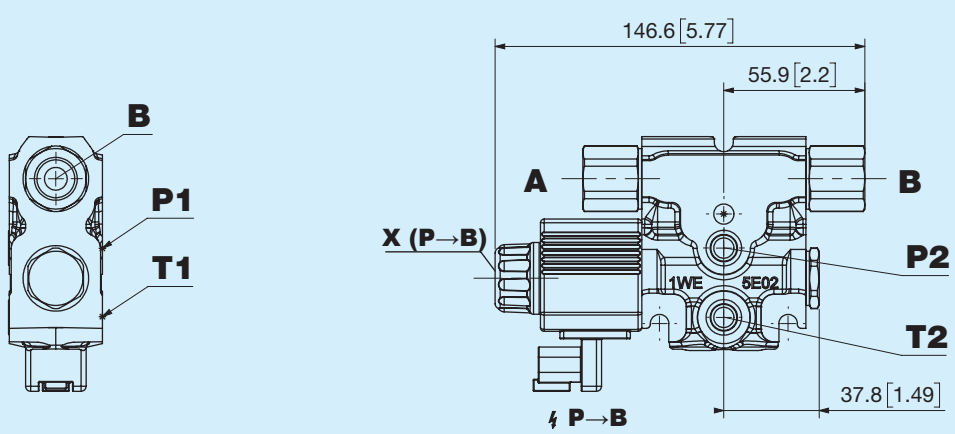
Electrical characteristics ON-OFF coils

Voltage	12	24	V (± 10%)
Resistance Cu 20°C	5,4	20,7	Ω (± 7%)
Nominal current	2,2	1,2	A
Power	26,5	27,8	W

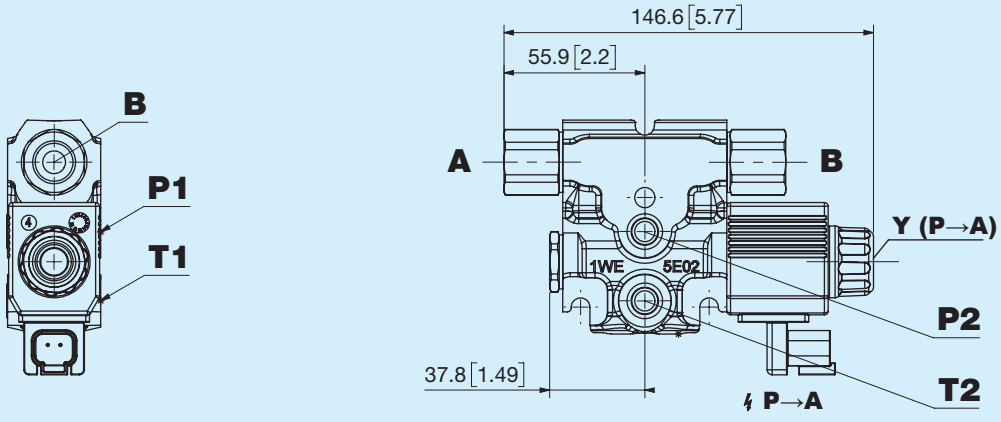
A Two coils port side A and B



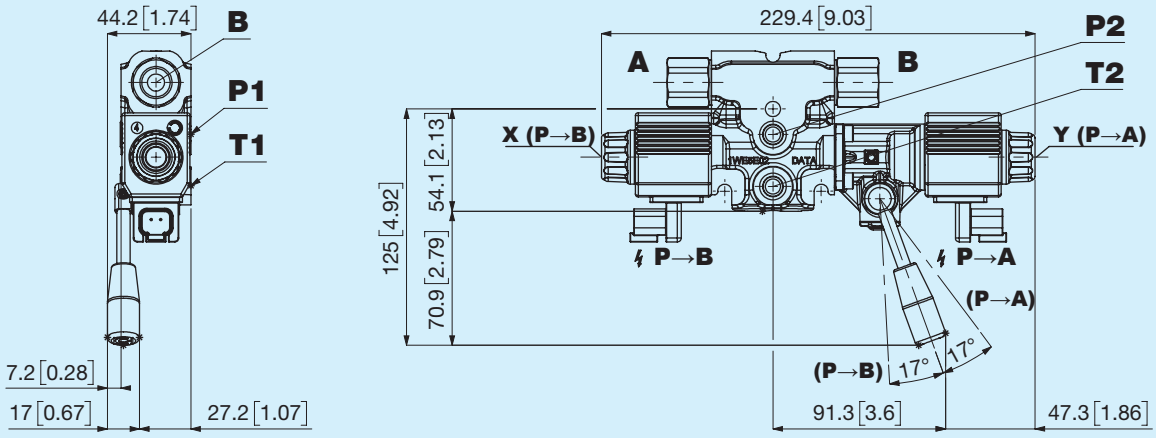
E One coil port side A



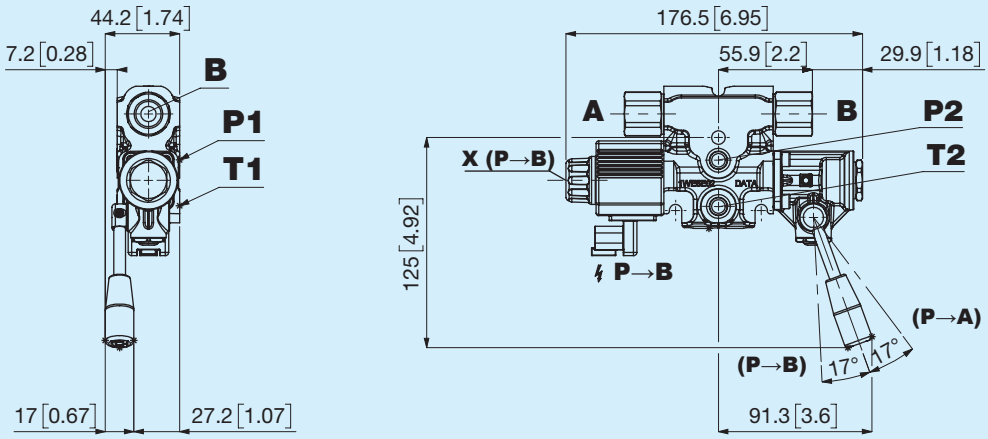
F One coil port side B



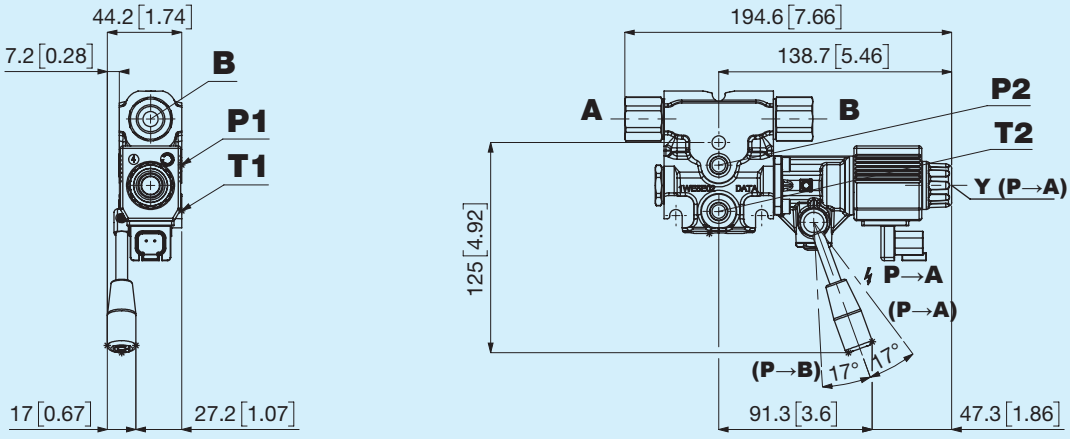
B Two coils A and B port side with lever override



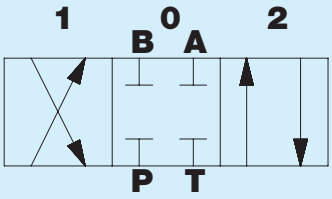
C One coil port side A with lever override



D One coil port side B with lever override



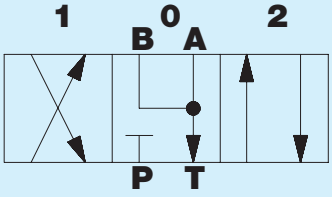
001 Spool type



Positions

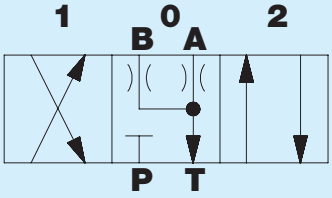
1	0	2
P → A B → T	P ⊣ T ⊣ A ⊣ B ⊣	P → B A → T

003 Spool type



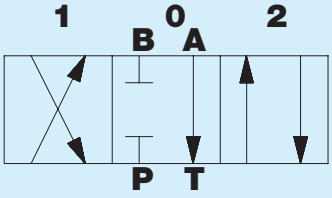
1	0	2
P → A B → T	A, B → T P ⊣	P → B A → T

3SS Spool type



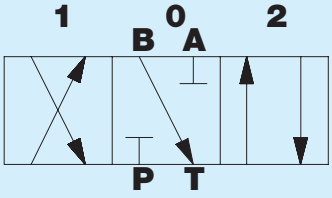
1	0	2
P → A B → T	A, B → T P ⊣	P → B A → T

008 Spool type



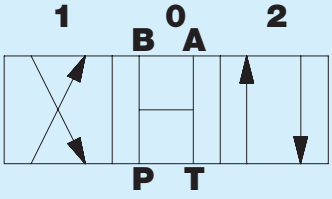
1	0	2
P → A B → T	A → T B,P ⊣	P → B A → T

010 Spool type



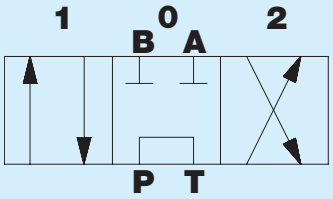
1	0	2
P → A B → T	B → T A,P ⊣	P → B A → T

038 Spool type



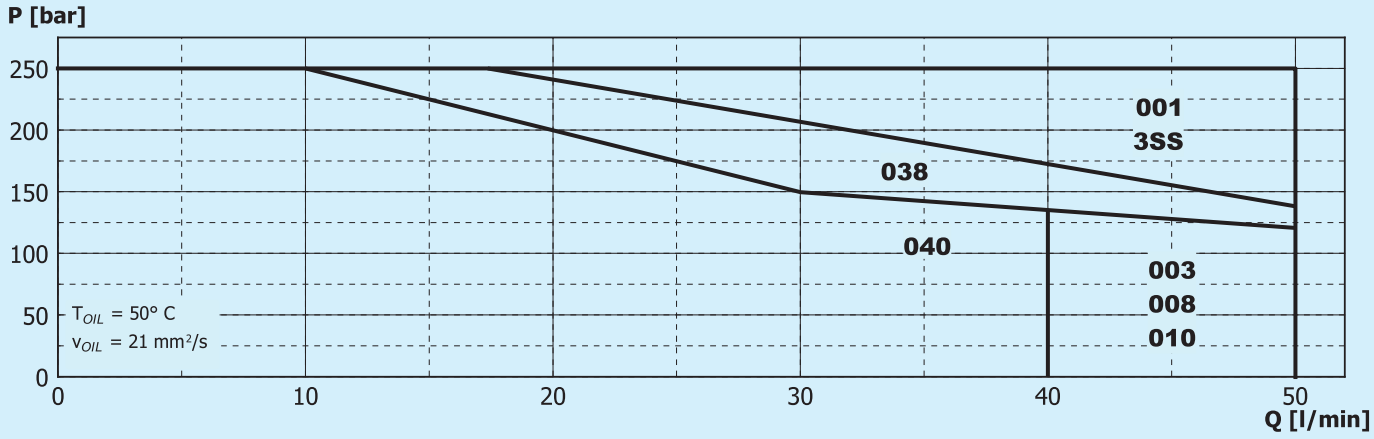
1	0	2
P → A B → T	P,A,B → T	P → B A → T

040 Spool type



1	0	2
P → B A → T	P → T A,B ⊣	P → A B → T

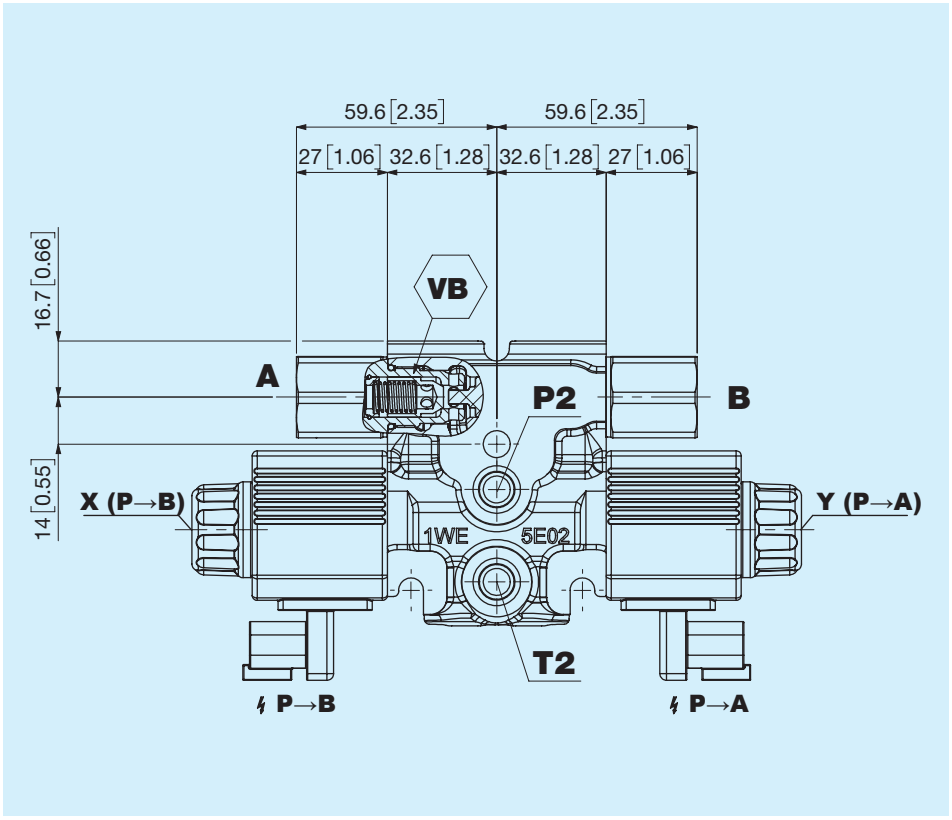
Performance limits for spool type

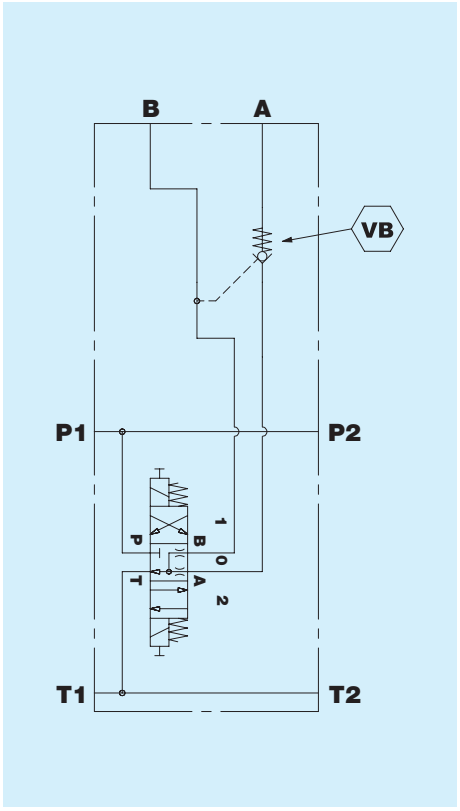


Thread port A and B

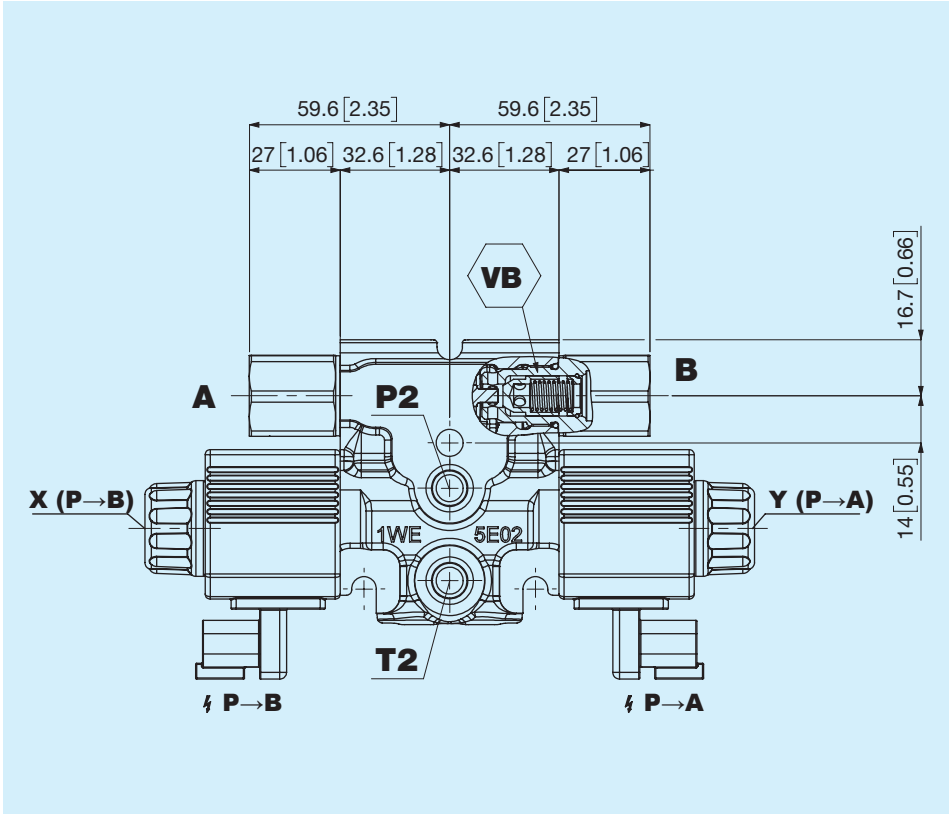
Model	Type	Torque Nm
A	3/8'' GAS ISO 1179	45
C	M18x1.5 ISO 9974	45
W	M18x1.5 ISO 6149	45
E	3/4'' 16 SAE ISO 11926	45

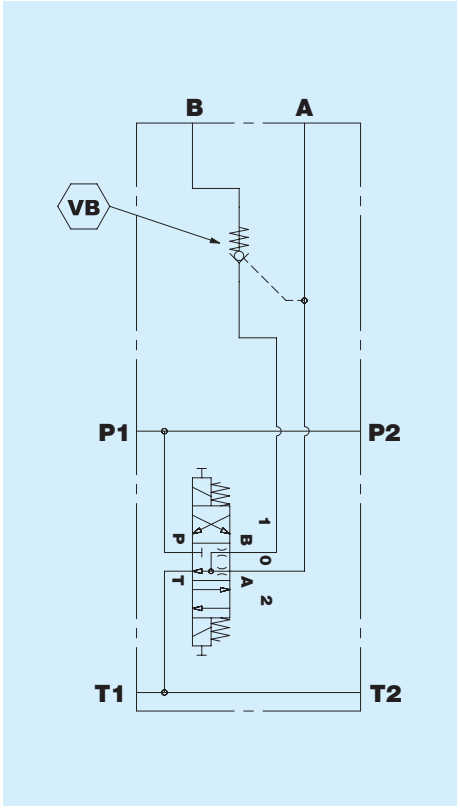
VB Pilot check valve port A





VB Pilot check valve port B





BW0500AO	1	2 3 4	5	6	7 8	9 10	11 12	13 14	15	16

1

Configurations

A	Two coils port side A and B	**F**	One coil port side B	**C**	One coil port side A with lever override
E	One coil port side A	**B**	Two coils A and B port side with lever override	**D**	One coil port side B with lever override

2 3 4

Spool types

001	Spool type	**3SS**	Spool type	**010**	Spool type	**040**	Spool type
003	Spool type	**008**	Spool type	**038**	Spool type		

5

Thread type

F	Female

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 Relief valve located under port A

NN	None

9 10

VL Relief valve located under port B

NN	None

11 12

Valve type port A

NN	None	**VB**	Pilot check valve

13 14

Valve type port B

NN	None	**VB**	Pilot check valve

15

Voltage and connector

A	12V DIN 43650	**B**	24V DIN 43650	**G**	12V DEUTSCH DT04-2P	**H**	24V DEUTSCH DT04-2P

16

External treatment

N	None	**Z**	Zinc plating