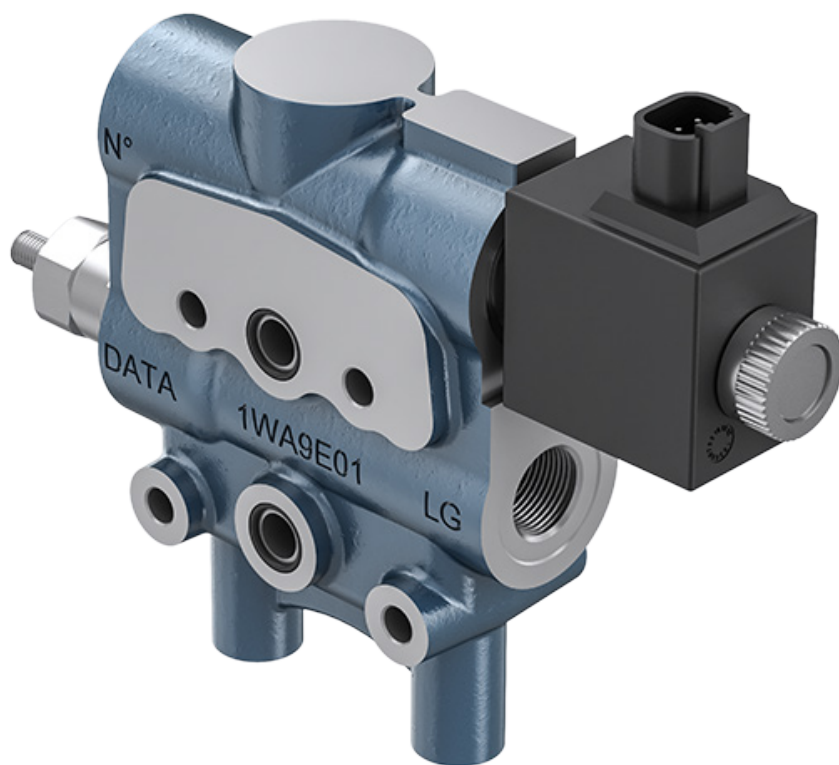


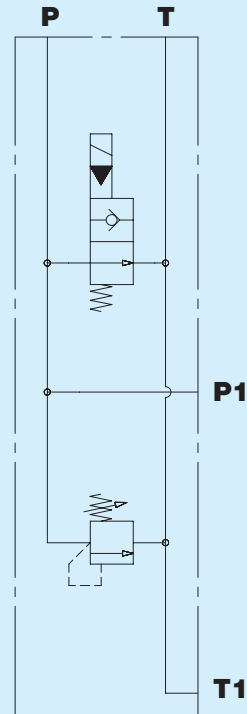
TE102E Inlet cover with unloading valve and relief valve

Interface IBW1022

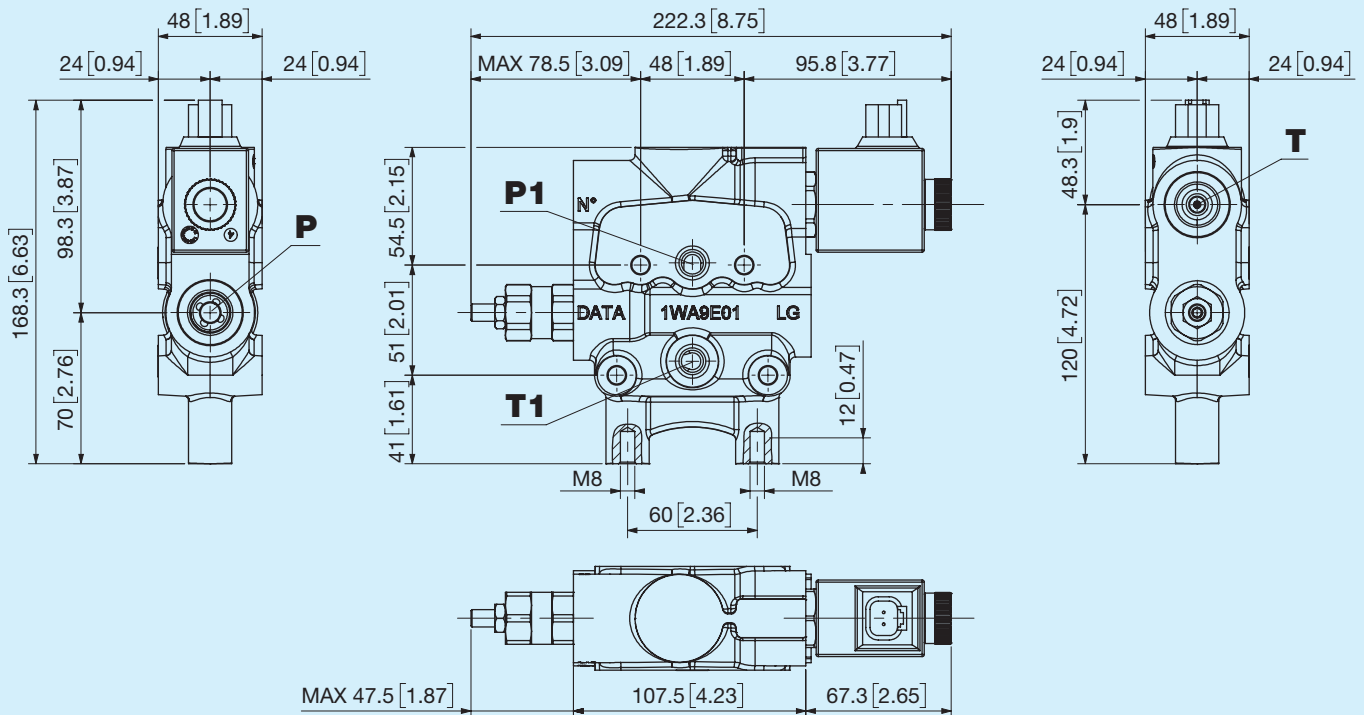


Before use, carefully read the GENERAL INSTRUCTIONS FOR USE OF DIRECTIONAL CONTROL VALVES

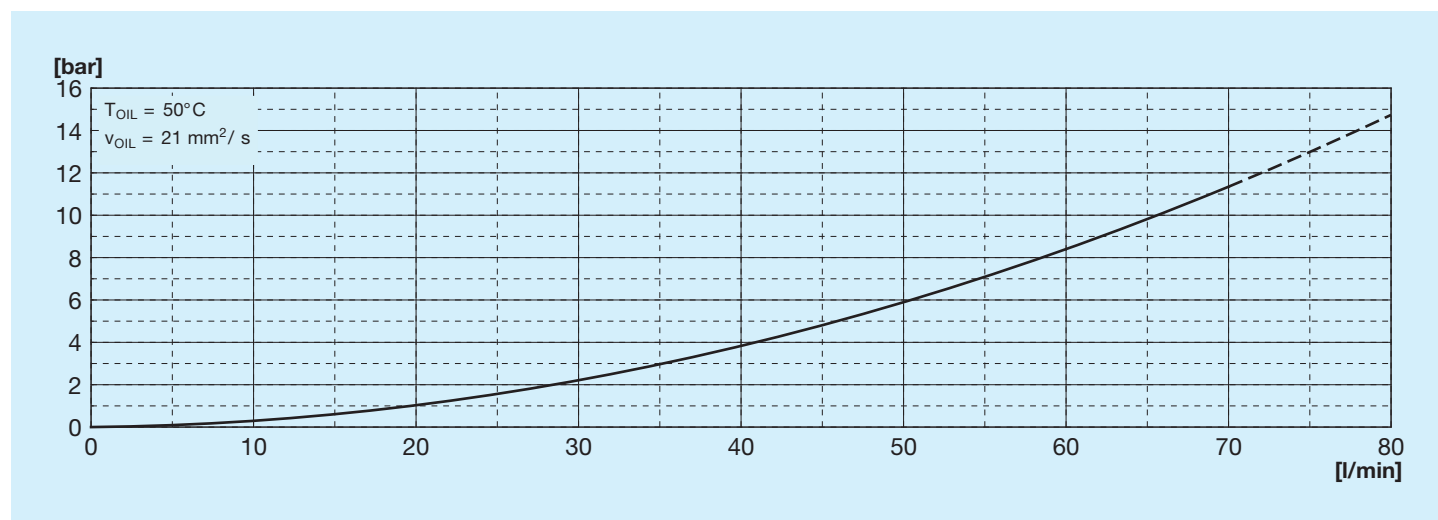
Nominal flow rate	90 l/min 23.8 US gpm
Nominal pressure	250 bar 3265 psi
Maximum tank pressure	50 bar 725 psi
Temperature range	-20°C +85°C NBR seals (max peak +100°C) -20°C + 130°C HNBR seals
Oil viscosity	from 15 mm²/s to 90 mm²/s (15 cSt to 90 cSt)
Fluid	Hydraulic fluids as defined in ISO 6743-4 standard
Weight	3.4 kg 7.25 lb
Interface	IBW1022



Overall dimensions



Pressure drops P - T



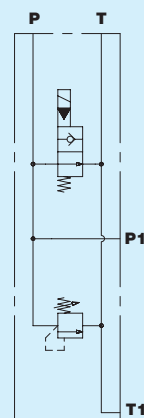
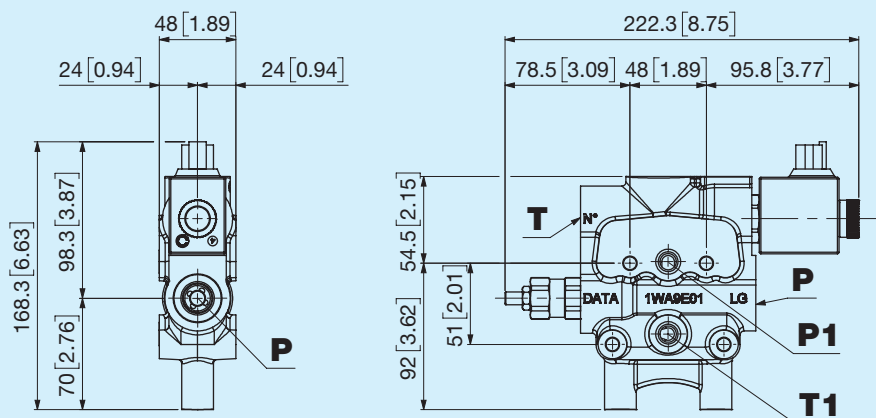
Thread Port P

Model	Type	Torque Nm
B	1/2" GAS ISO 1179	70
F	3/4" GAS ISO 1179	150
N	M22x1.5 ISO 9974	70
J	M22x1.5 ISO 6149	78
5	M27x2 ISO 9974	160
U	M27x2 ISO 6149	170
R	7/8" - 14 SAE ISO 11926	77
V	1" 1/16 - 12 SAE ISO 11926	125

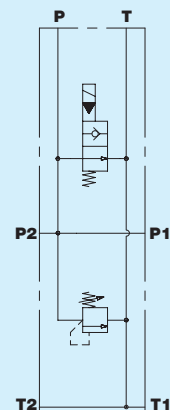
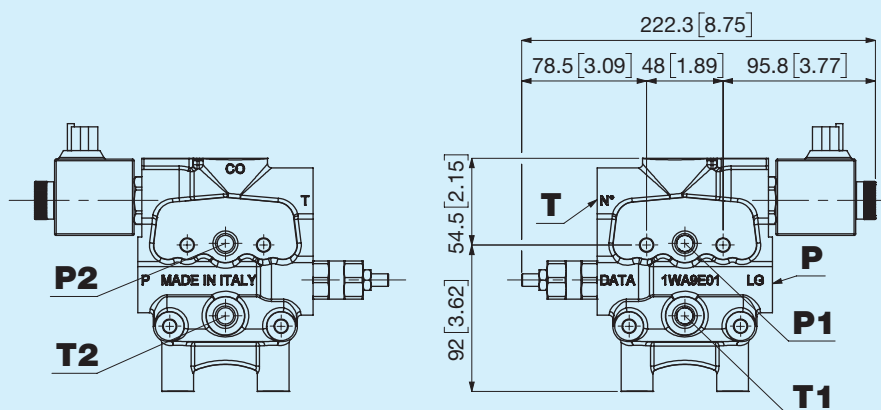
Thread Port T

Model	Type	Torque Nm
B	1/2" GAS ISO 1179	70
F	3/4" GAS ISO 1179	150
N	M22x1.5 ISO 9974	70
J	M22x1.5 ISO 6149	78
5	M27x2 ISO 9974	160
U	M27x2 ISO 6149	170
R	7/8" - 14 SAE ISO 11926	77
V	1" 1/16 - 12 SAE ISO 11926	125

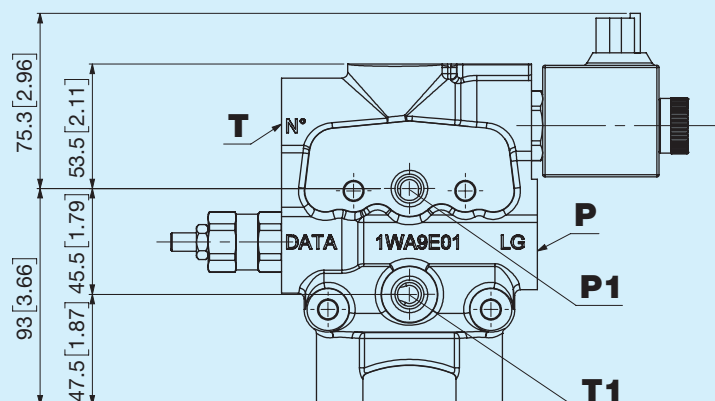
S Standard



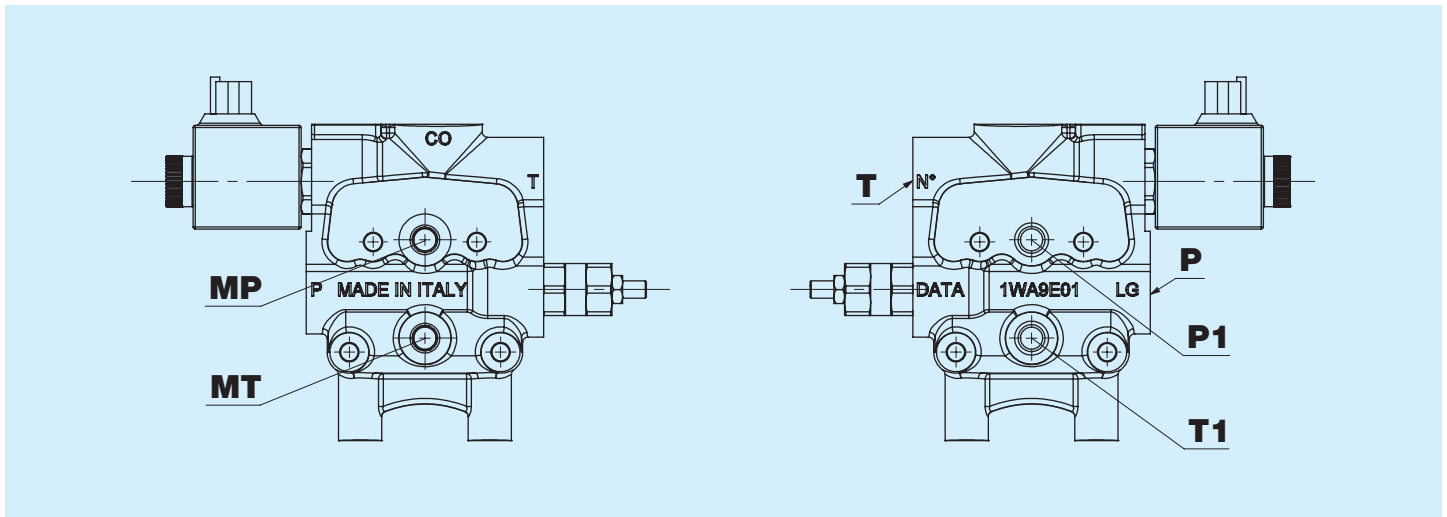
A P-T through



H3 High



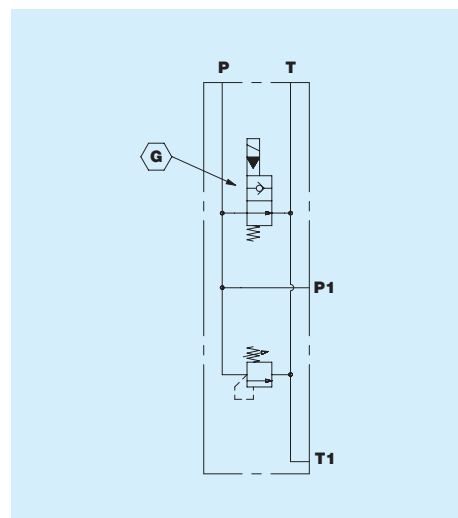
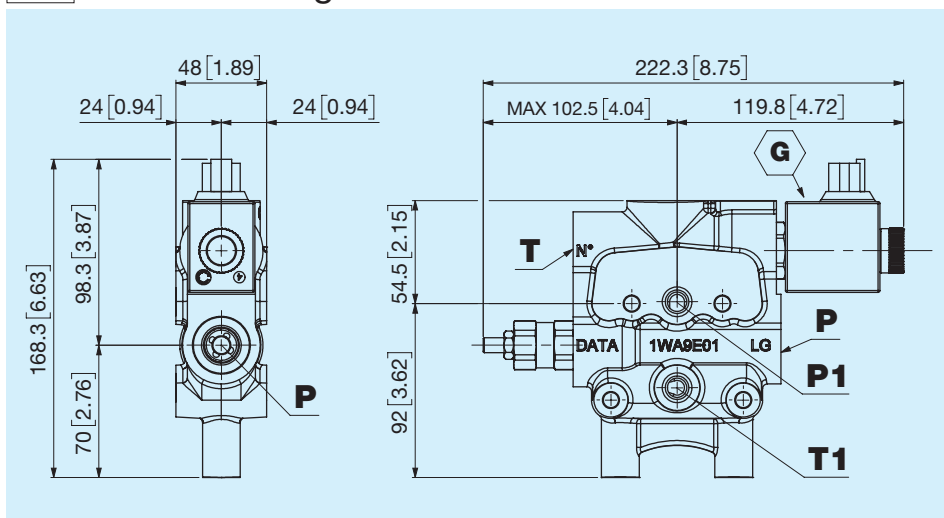
MP and MT - Gauges ports



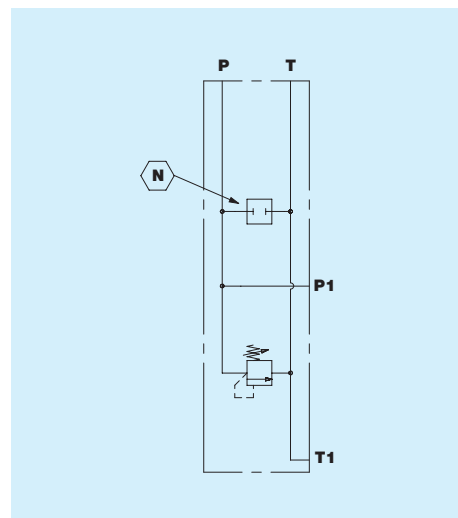
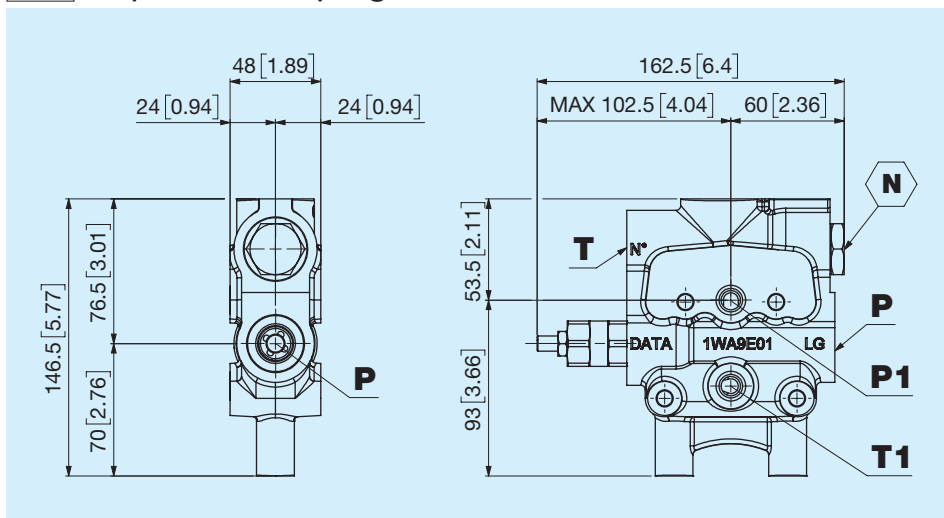
Thread Ports MP and MT

Model	Type	Torque Nm
N	None	
L	1/4" GAS ISO 1179	14
3	M14x1.5 ISO 9974	10
K	M14x1.5 ISO 6149	10
P	9/16" - 18 SAE ISO 11926	21

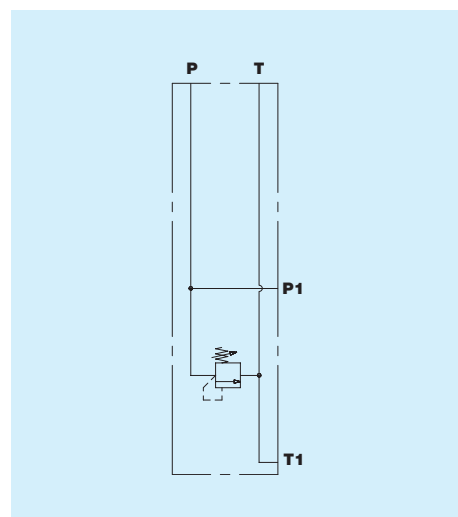
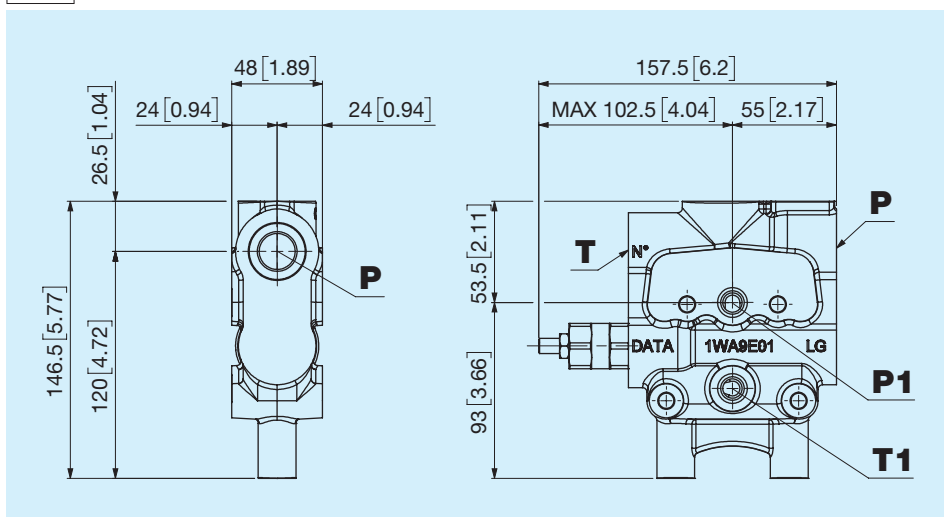
G With unloading valve



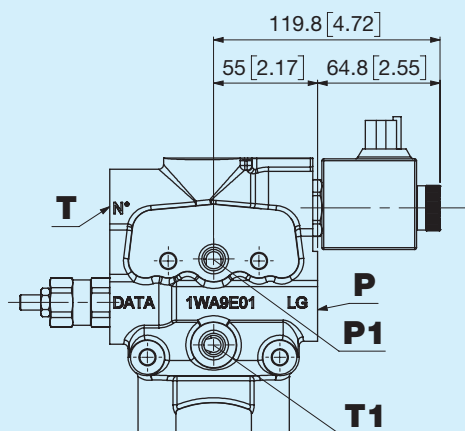
N Replacement plug



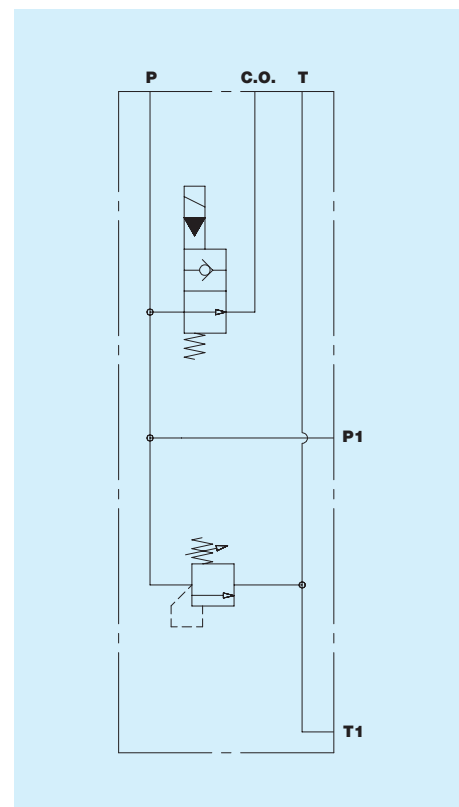
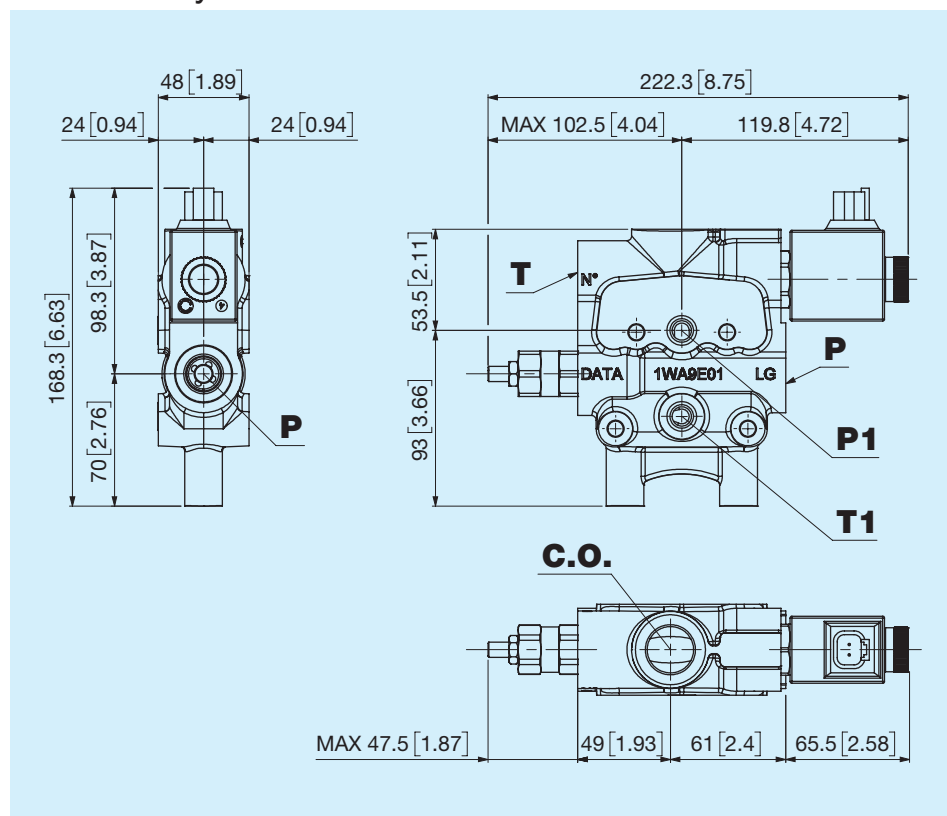
X Not machined



O Standard terminal



C.O. - Carry Over



Thread port Carry over

Model	Type	Torque Nm
0	None	
B	1/2" GAS ISO 1179	70
F	3/4" GAS ISO 1179	150
N	M22x1.5 ISO 9974	78
J	M22x1.5 ISO 6149	60
R	7/8" - 14 SAE ISO 11926	77
5	M27x2 ISO 9974	170
U	M27x2 ISO 6149	170
V	1" 1/6 - 12 SAE ISO 11926	125

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TE102E															
1	Thread type														
	F Female														
2	Thread Port P														
	B t1/2" GAS ISO 1179				N M22x1.5 ISO 9974				5 M27x2 ISO 9974				R 7/8" - 14 SAE ISO 11926		
	F 3/4" GAS ISO 1179				J M22x1.5 ISO 6149				U M27x2 ISO 6149				V 1" 1/16 - 12 SAE ISO 11926		
3	Thread Port T														
	B t1/2" GAS ISO 1179				N M22x1.5 ISO 9974				5 M27x2 ISO 9974				R 7/8" - 14 SAE ISO 11926		
	F 3/4" GAS ISO 1179				J M22x1.5 ISO 6149				U M27x2 ISO 6149				V 1" 1/16 - 12 SAE ISO 11926		
4	Options on ports P-T														
	N None														
5	Options on P-T lines														
	S Standard				A P-T through										
6 7	Cover height														
	H3 High														
8	Thread Port MP														
	N None				3 M14x1.5 ISO 9974				P 9/16" - 18 SAE ISO 11926						
	L 1/4" GAS ISO 1179				K M14x1.5 ISO 6149										
9	Thread Port MT														
	N None				3 tM14x1.5 ISO 9974				P 9/16" - 18 SAE ISO 11926						
	L 1/4" GAS ISO 1179				K tM14x1.5 ISO 6149										
10	Options on Ports MP - MT														
	N None				B MP plugged, MT not machined				F MP and MT plugged						
	A MP open, MT not machined				E MP and MT open										
11	Type of unloading valve														
	N Replacement plug				A 12V DIN 43650				G 12V Deutsch						
	X Not machined				B 24V DIN 43650				H 24V Deutsch						
12	Type of emergency unloading valve														
	N None				O Standard terminal										

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13

14

Type of pressure relief valve

00 VMP replacement plug	08 80 bar	14 140 bar	20 200 bar
30 30 bar	09 90 bar	15 150 bar	21 210 bar
40 40 bar	10 100 bar	16 160 bar	22 220 bar
05 50 bar	11 110 bar	17 170 bar	23 230 bar
06 60 bar	12 120 bar	18 180 bar	24 240 bar
07 70 bar	13 130 bar	19 190 bar	25 250 bar

15

Sealing type pressure relief valve

R Grub screw	P Lead	N None
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Thread port Carry Over

0 None	N M22x1.5 ISO 9974	U M27x2 ISO 6149
B 1/2" GAS ISO 1179	J M22x1.5 ISO 6149	R 7/8" - 14 SAE ISO 11926
F 3/4" GAS ISO 1179	5 M27x2 ISO 9974	V 1" 1/16 - 12 SAE ISO 11926

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External treatment

N None	A Zinc plating
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