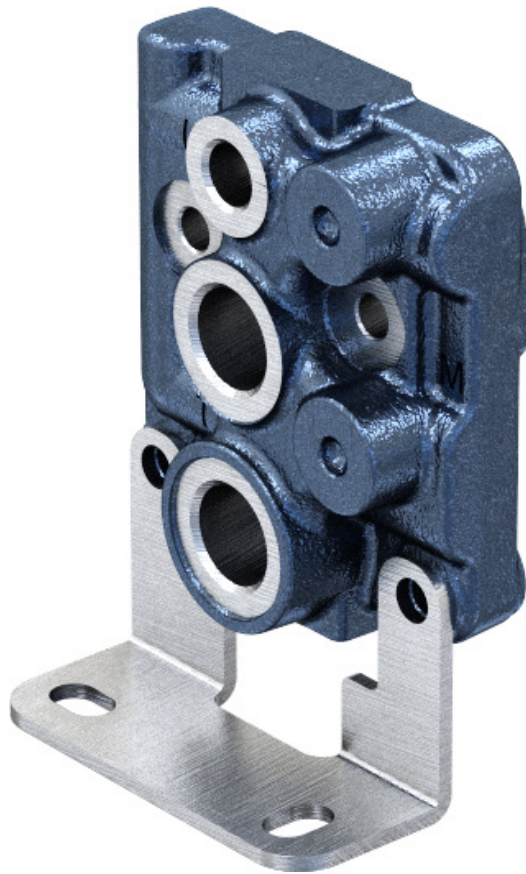
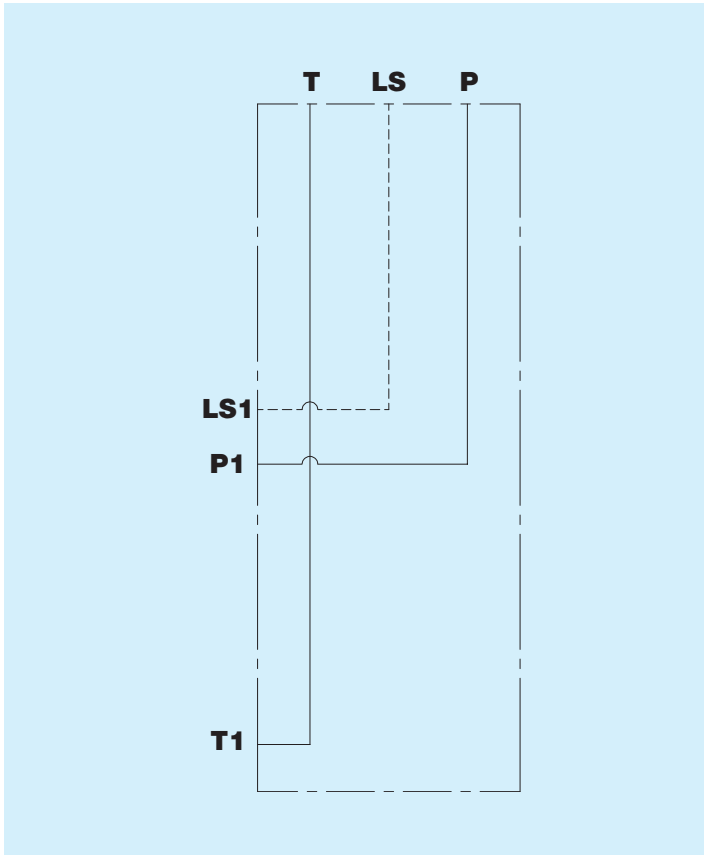


Outlet cover Load sensing TU103F  
Interface IBW1033

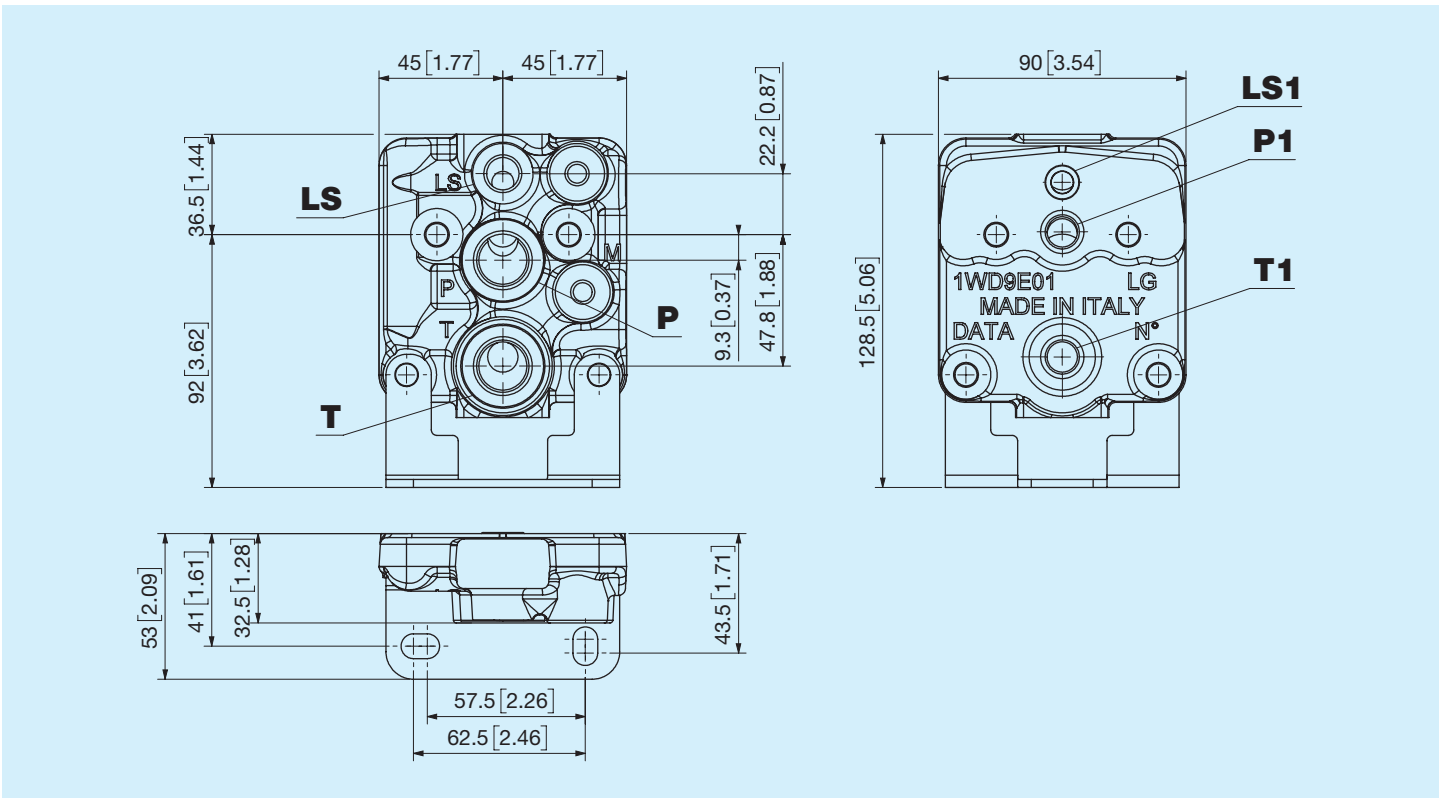


Before use, carefully read the GENERAL INSTRUCTIONS FOR USE OF DIRECTIONAL CONTROL VALVES

Nominal flow	<b>100 l/min</b> <b>26.41 US gpm</b>
Nominal pressure	<b>250 bar</b> <b>3625 psi</b>
Maximum tank pressure	<b>50 bar</b> <b>725 psi</b>
Temperature range	<b>-20°C +85°C NBR seals</b> <b>(max peak +100°C)</b> <b>-20°C + 130°C HNBR seals</b>
Oil viscosity	<b>from 15 mm<sup>2</sup>/s to 90 mm<sup>2</sup>/s</b> <b>(15 cSt to 90 cSt)</b>
Fluid	<b>Hydraulic fluids as defined</b> <b>in ISO 6743-4 standard</b>
Weight	<b>1.4 kg</b> <b>3.08 lb</b>
Interface	<b>IBW1033</b>



## Dimensions



## Thread Port P

Model	Type	Torque Nm
<b>0</b>	None	
<b>B</b>	1/2" GAS ISO 1179	70
<b>N</b>	M22x1.5 ISO 9974	78
<b>J</b>	M22x1.5 ISO 6149	78
<b>R</b>	7/8" - 14 SAE ISO 11926	77

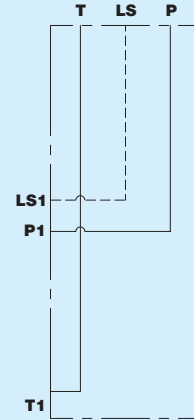
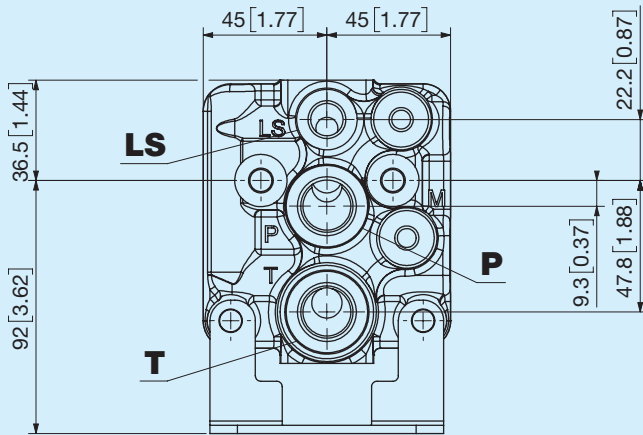
## Thread Port T

Model	Type	Torque Nm
<b>0</b>	None	
<b>B</b>	1/2" GAS ISO 1179	70
<b>F</b>	3/4" GAS ISO 1179	140
<b>N</b>	M22x1.5 ISO 9974	78
<b>J</b>	M22x1.5 ISO 6149	78
<b>5</b>	M27x2 ISO 9974	170
<b>U</b>	M27x2 ISO 6149	170
<b>R</b>	7/8" - 14 SAE ISO 11926	77
<b>V</b>	1" 1/16 - 12 SAE ISO 11926	125

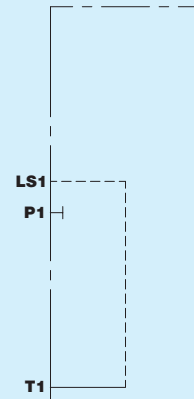
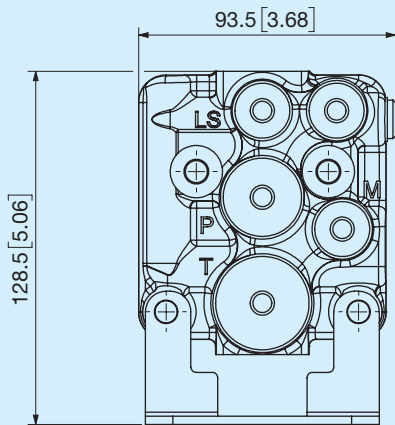
## Thread Port LS

Model	Type	Torque Nm
<b>0</b>	None	
<b>L</b>	1/4" GAS ISO 1179	14
<b>3</b>	M14x1.5 ISO 9974	10
<b>K</b>	M14x1.5 ISO 6149	10
<b>P</b>	9/16" - 18 SAE ISO 11926	21

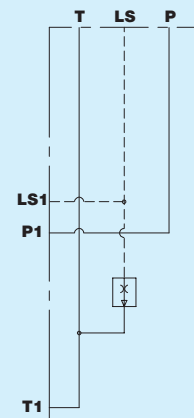
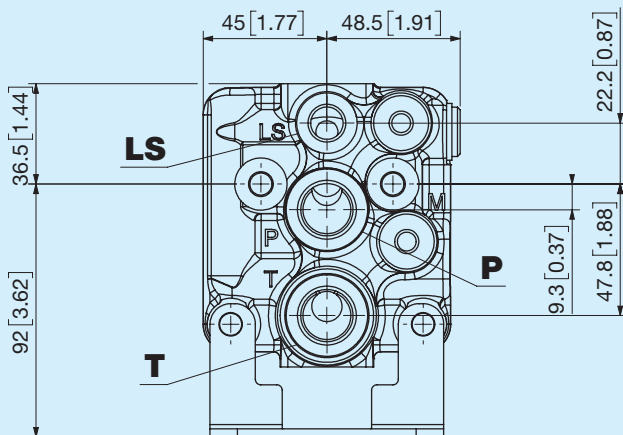
## N None



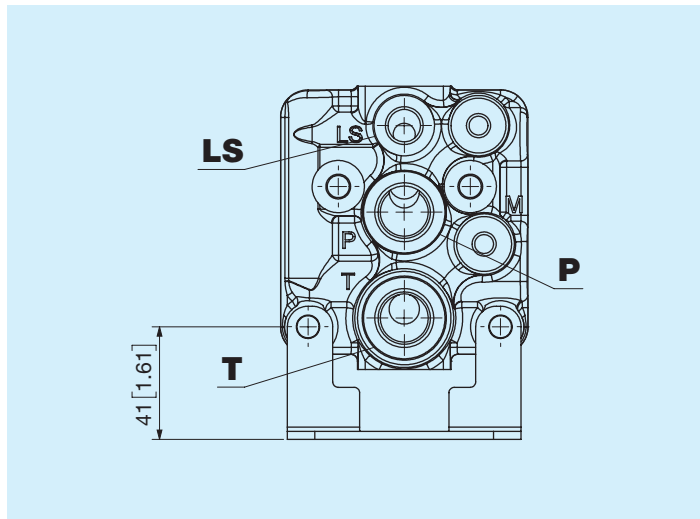
## A With LS line pressure discharge



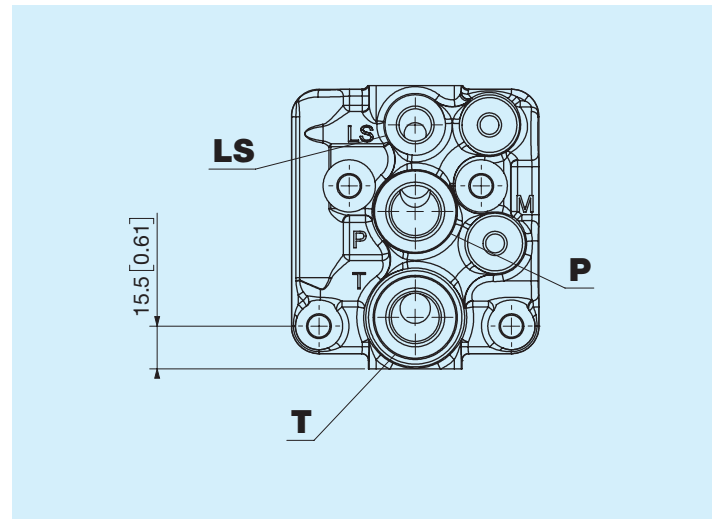
## B With cartridge relief valve



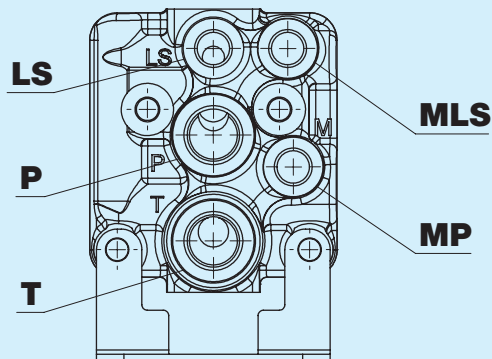
**H3** High



**NN** None



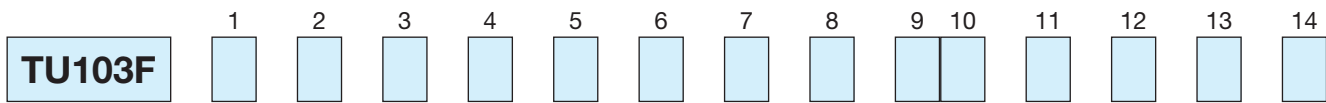
## MP and MLS - Pressure gauge inlets



## Thread Port MP and MLS

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





1	Thread type	
<b>M</b>	Male	<b>F</b> Female
		<b>N</b> None
2	Thread Port P	
<b>O</b>	None	<b>N</b> M22x1.5 ISO 9974
<b>B</b>	1/2" GAS ISO 1179	<b>J</b> M22x1.5 ISO 6149
		<b>R</b> 7/8" - 14 SAE ISO 11926
3	Thread Port T	
<b>O</b>	None	<b>N</b> M22x1.5 ISO 9974
<b>B</b>	1/2" GAS ISO 1179	<b>J</b> M22x1.5 ISO 6149
<b>F</b>	3/4" GAS ISO 1179	<b>5</b> M27x2 ISO 9974
		<b>U</b> M27x2 ISO 6149
		<b>R</b> 7/8" - 14 SAE ISO 11926
		<b>V</b> 1" 1/16 - 12 SAE ISO 11926
4	Thread Port LS	
<b>O</b>	None	<b>3</b> M14x1.5 ISO 9974
<b>L</b>	1/4" GAS ISO 1179	<b>K</b> M14x1.5 ISO 6149
		<b>P</b> 9/16" - 18 SAE ISO 11926
5	Options on port P	
<b>N</b>	None	<b>A</b> P open
		<b>B</b> P plugged
6	Options on port T	
<b>N</b>	None	<b>A</b> T open
		<b>B</b> T plugged
7	Option on port LS	
<b>A</b>	LS open	<b>B</b> LS plugged
		<b>N</b> None
8	Options on lines LS	
<b>N</b>	None	<b>A</b> With LS line pressure discharge
		<b>B</b> With cartridge relief valve
9 10	Bracket height	
<b>H3</b>	High	<b>NN</b> None
11	Thread Port MP	
<b>N</b>	None	<b>3</b> M14x1.5 ISO 9974
<b>L</b>	1/4" GAS ISO 1179	<b>K</b> M14x1.5 ISO 6149
		<b>P</b> 9/16" - 18 SAE ISO 11926
12	Thread Port MLS	
<b>N</b>	None	<b>3</b> M14x1.5 ISO 9974
<b>L</b>	1/4" GAS ISO 1179	<b>K</b> M14x1.5 ISO 6149
		<b>P</b> 9/16" - 18 SAE ISO 11926
13	Options on ports MP - MLS	
<b>N</b>	None	<b>C</b> MP not processed, MLS open
<b>A</b>	MP open, MLS not processed	<b>D</b> MP not processed, MLS plugged
<b>B</b>	MP plugged, MLS not processed	<b>E</b> MP and MLS open
		<b>F</b> MP and MLS plugged
		<b>G</b> MP open, MLS plugged
		<b>H</b> MP plugged, MLS open



14



External coating

**A** External coating

**N** None