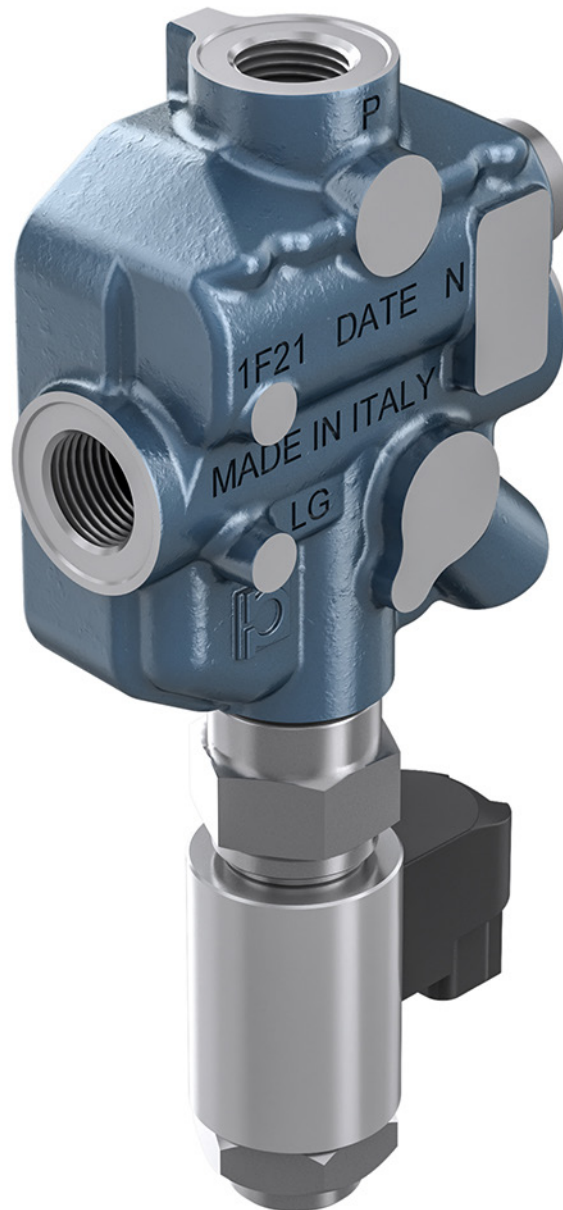
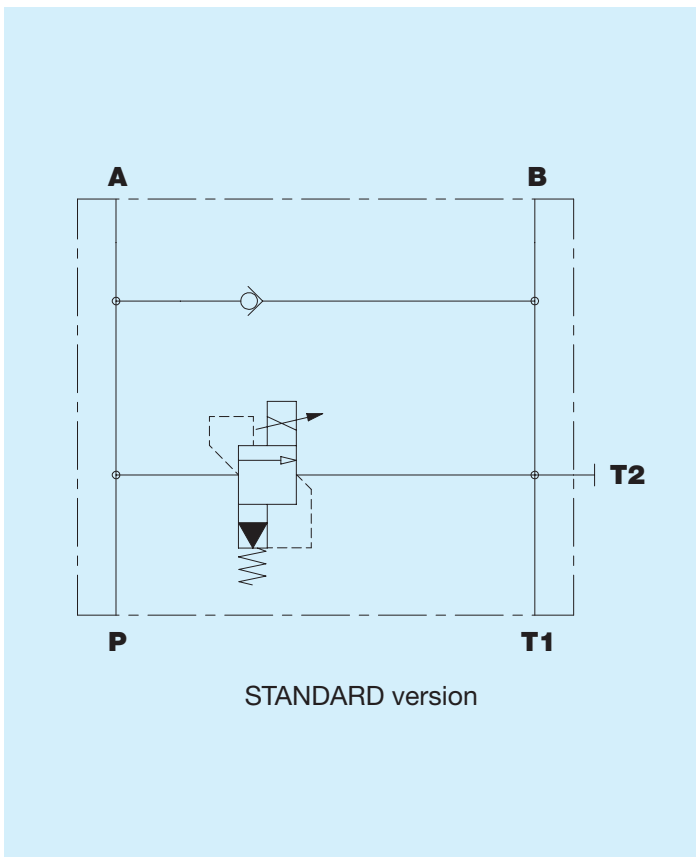


## In-line fan drive with proportional control of the fan

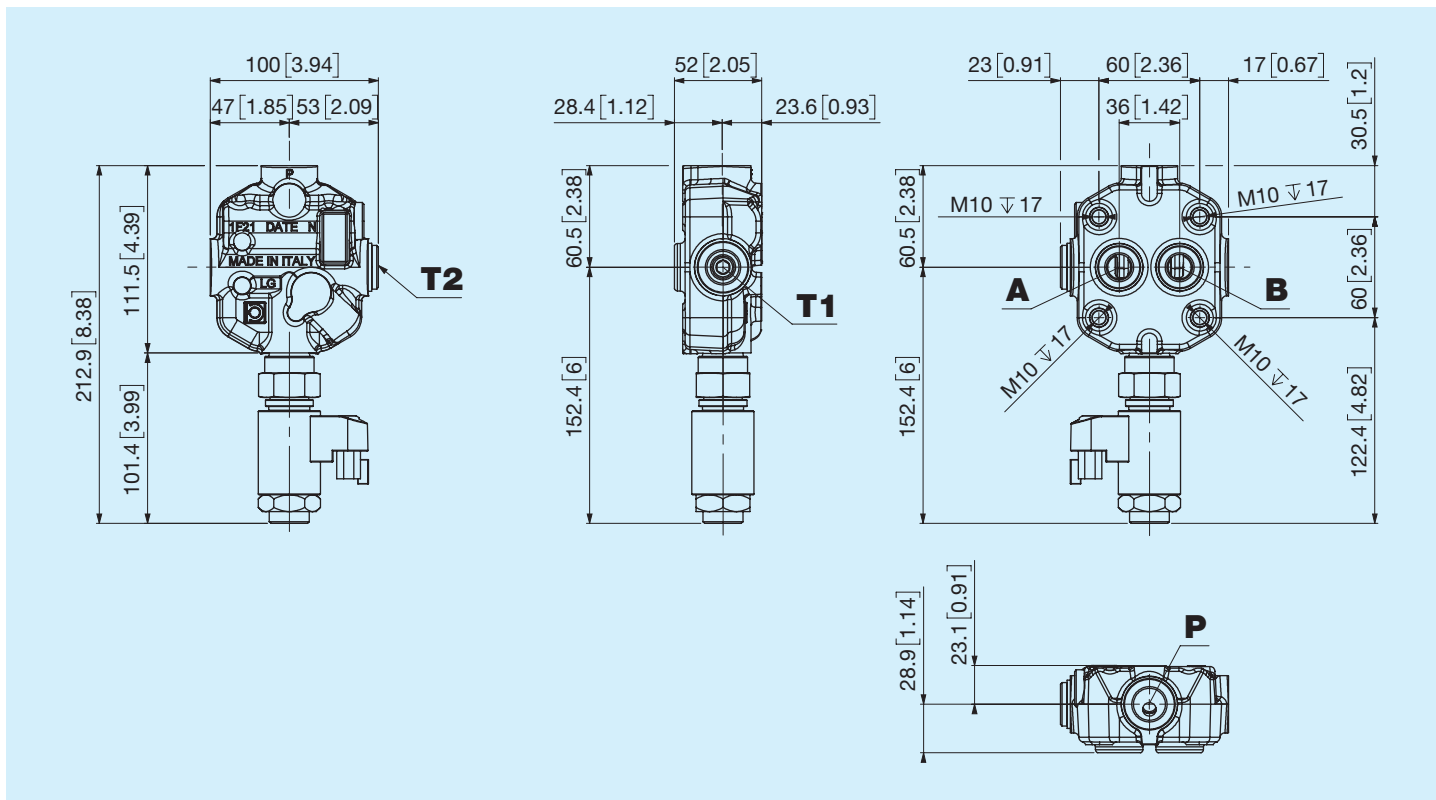


Before use, carefully read the GENERAL INSTRUCTIONS FOR USE OF DIRECTIONAL CONTROL VALVES

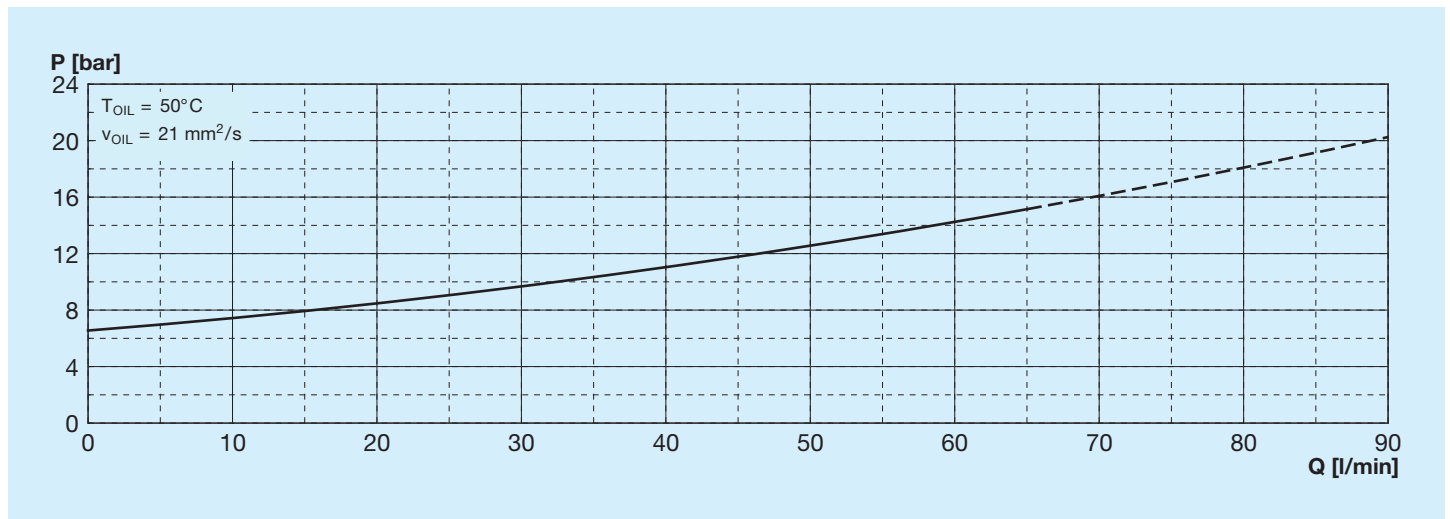
Nominal flow rate	<b>65 l/min</b> <b>17.17 US gpm</b>
Nominal pressure	<b>250 bar</b> <b>3625 psi</b>
Temperature range	<b>-20°C +85°C NBR seals</b> <b>(max peak +100°C)</b>
Operating oil viscosity	<b>from 15 mm<sup>2</sup>/s to 90 mm<sup>2</sup>/s</b> <b>(15 cSt to 90 cSt)</b>
Fluid	<b>Hydraulic fluids defined by the ISO 6743-4 standard</b>
Weight	<b>2.2 kg</b> <b>4.85 lb</b>



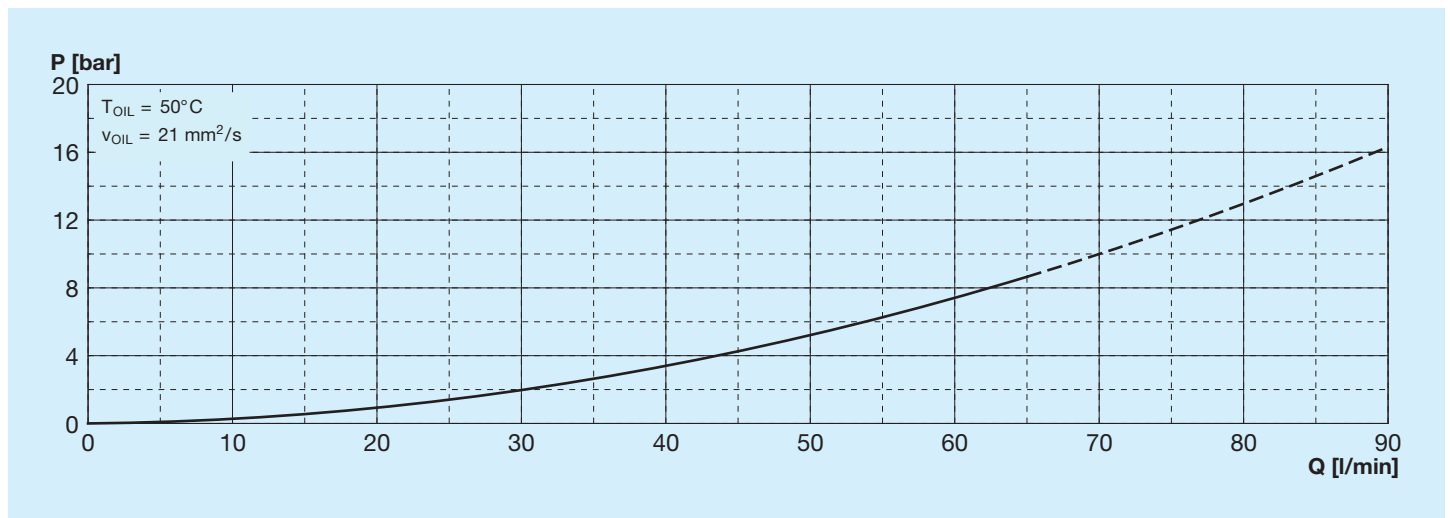
## Overall dimensions



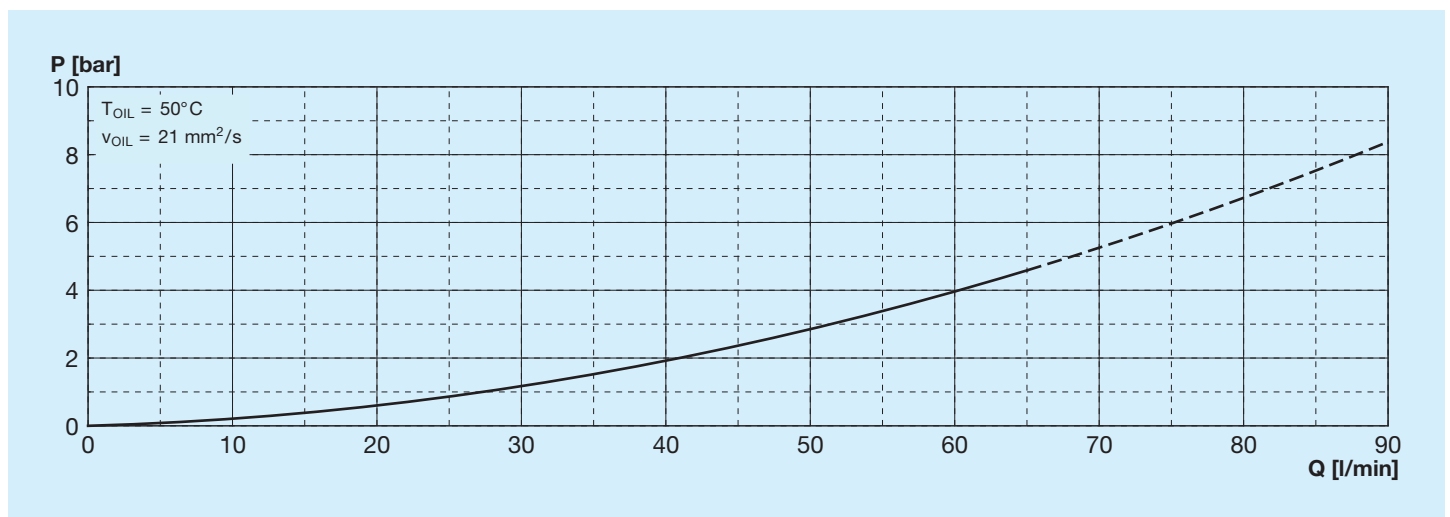
## Flow curve P-T



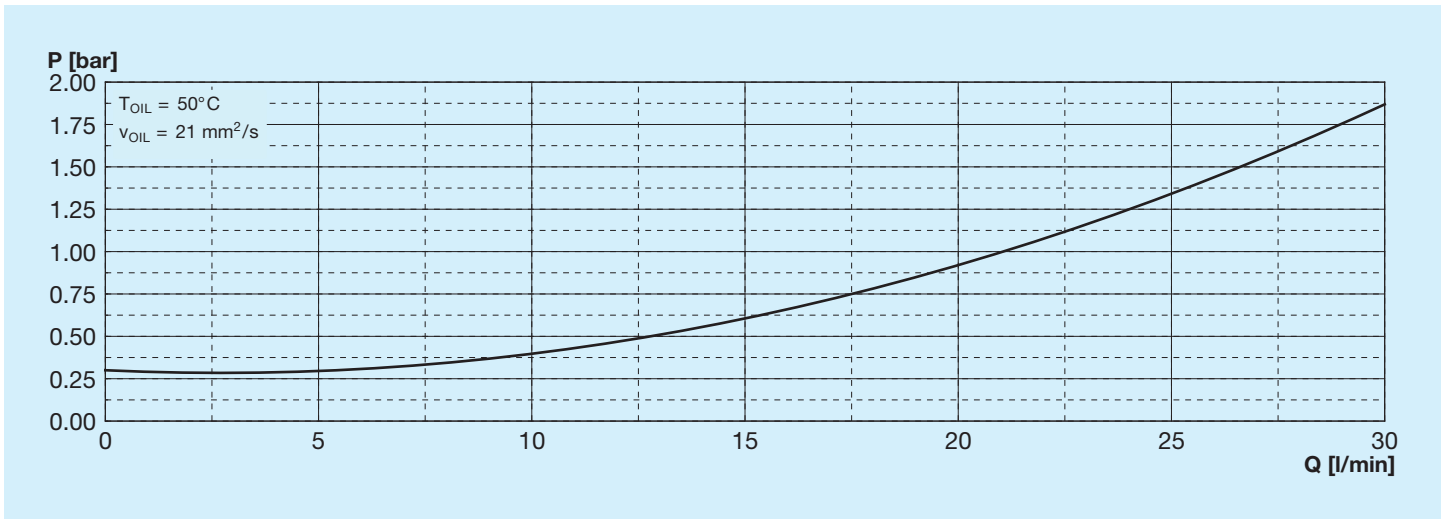
## Flow curve P-A



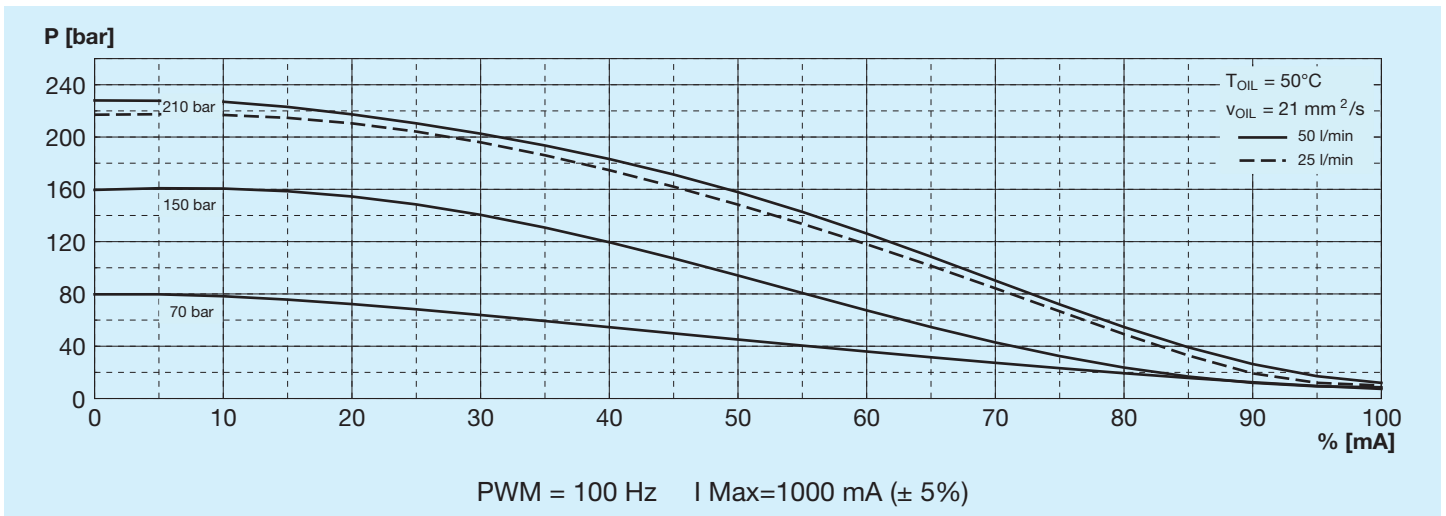
## Flow curve B-T



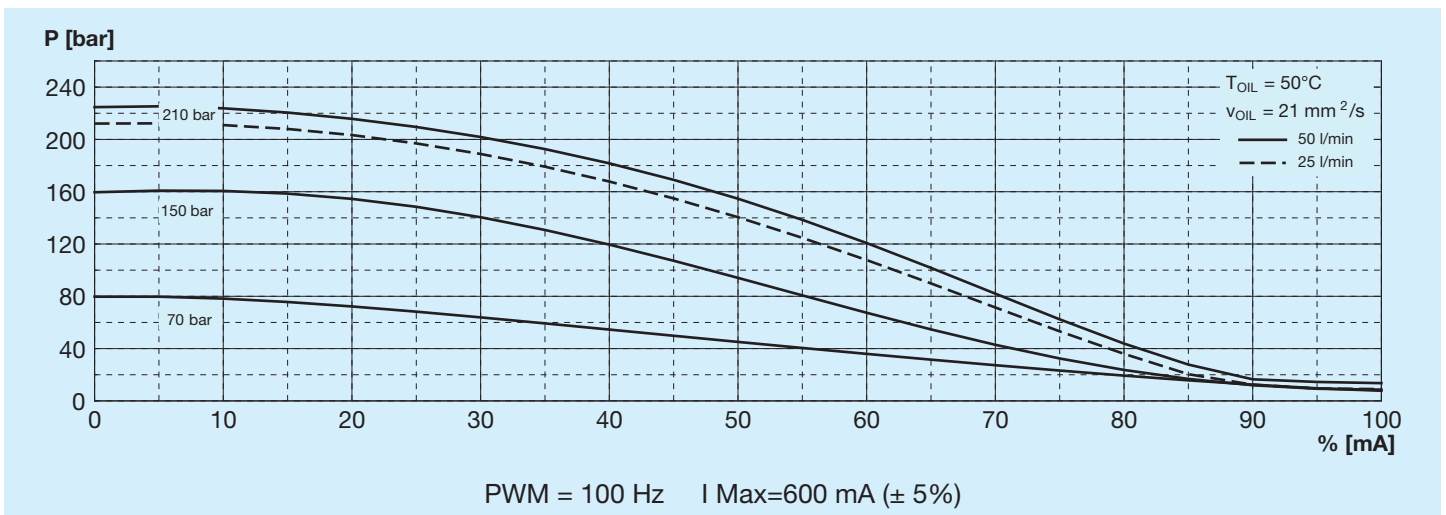
## Filler valve flow curve



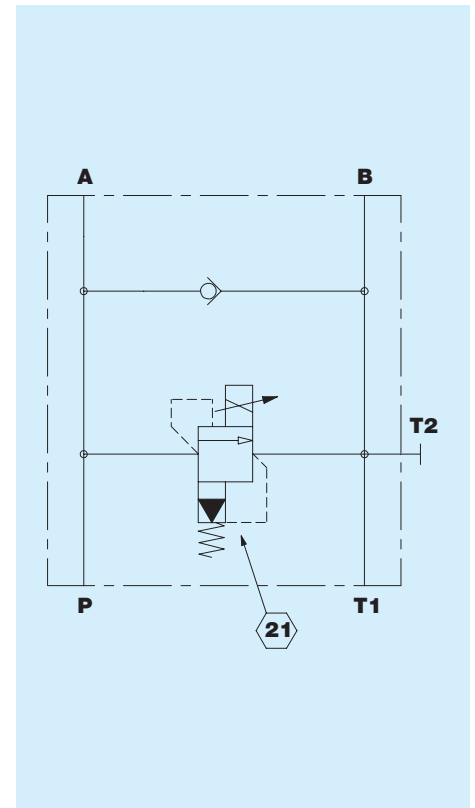
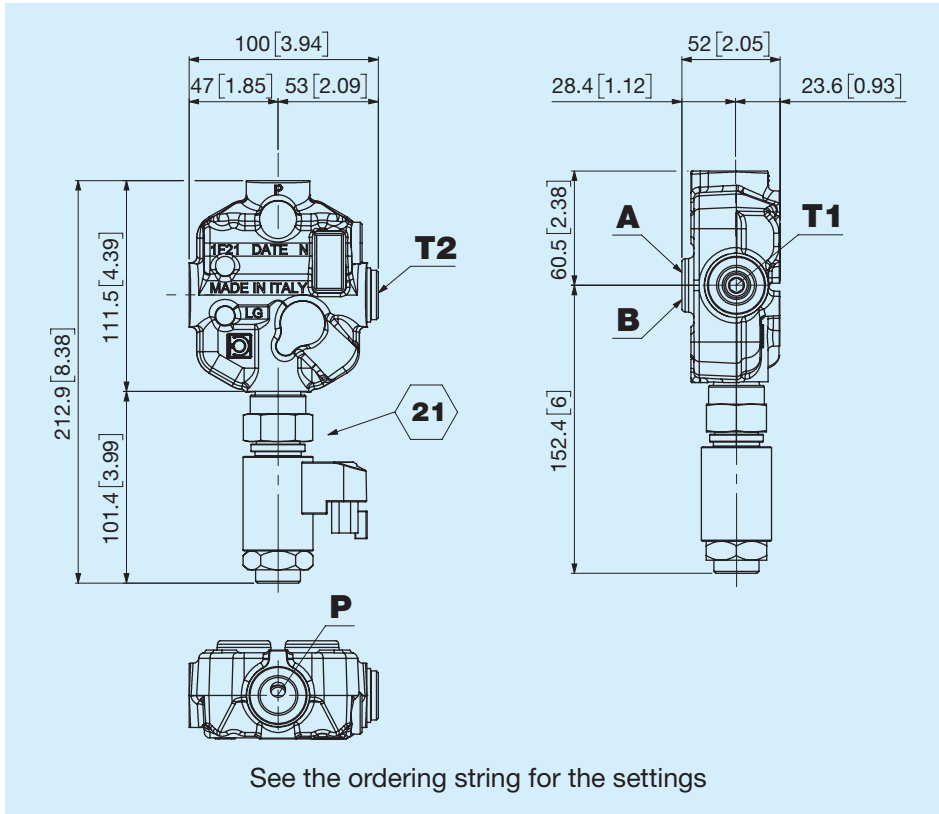
## 12V adjustment curve



## 24V adjustment curve



## Proportional control valve

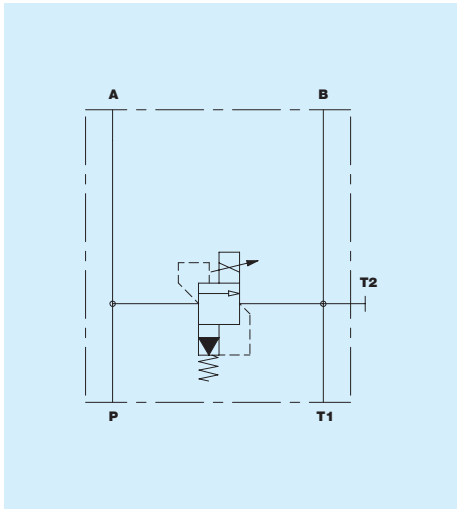
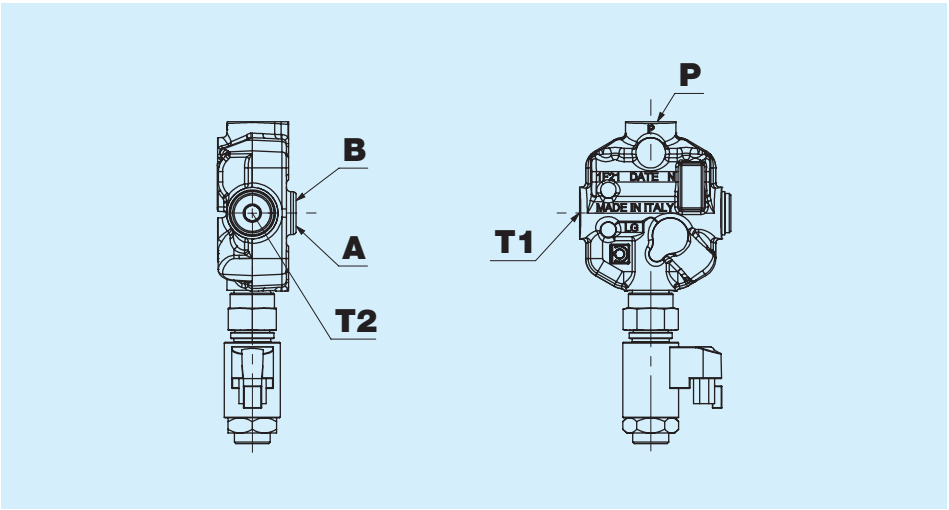


## Control valve electrical characteristics

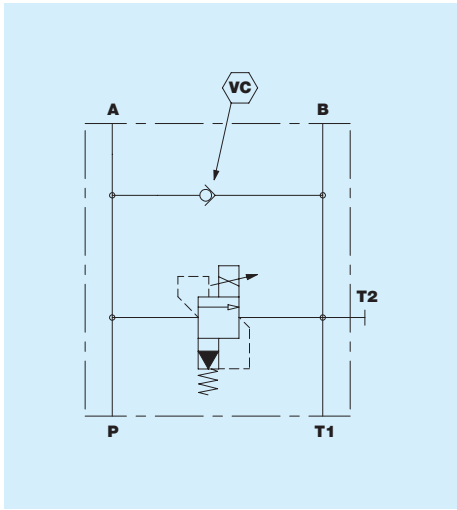
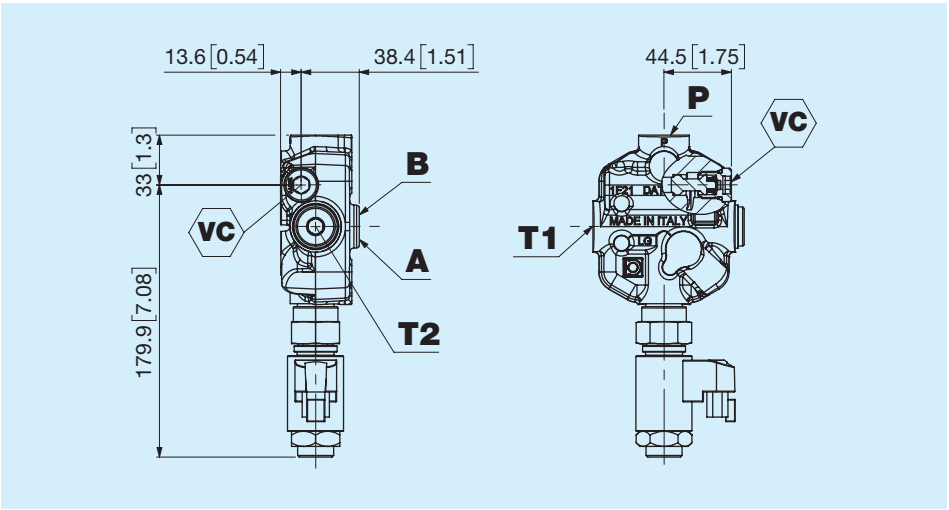
Voltage	12	24	V ( $\pm 10\%$ )
Resistance at 20°C	7,2	22	$\Omega (\pm 7\%)$
Minimum current	0	0	mA ( $\pm 5\%$ )
Maximum current	1000	600	mA ( $\pm 5\%$ )
PWM	50 - 250*	50 - 250*	Hz

\*Recommended 100 Hz

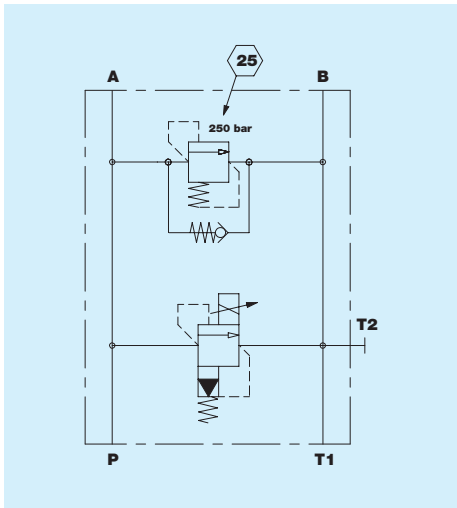
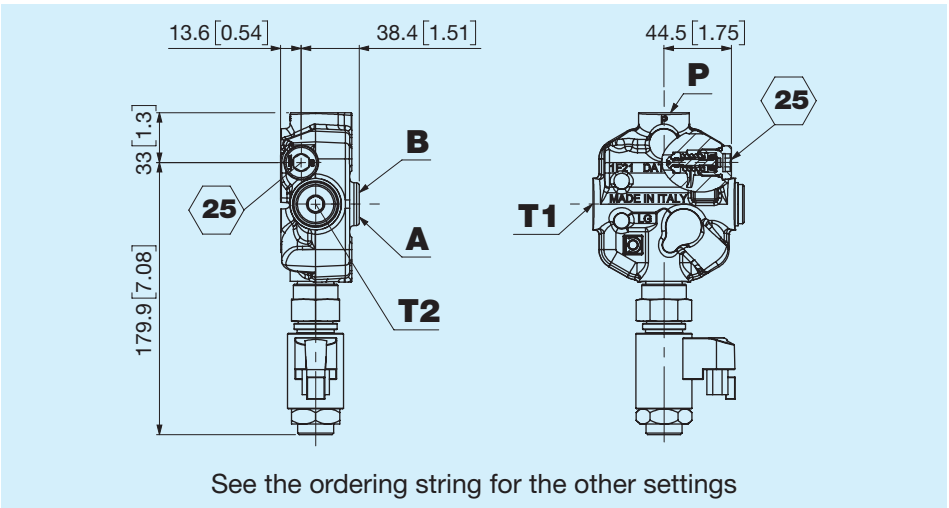
**NN** None



**VC** Filler valve



**25** Pressure limiter and filler valve



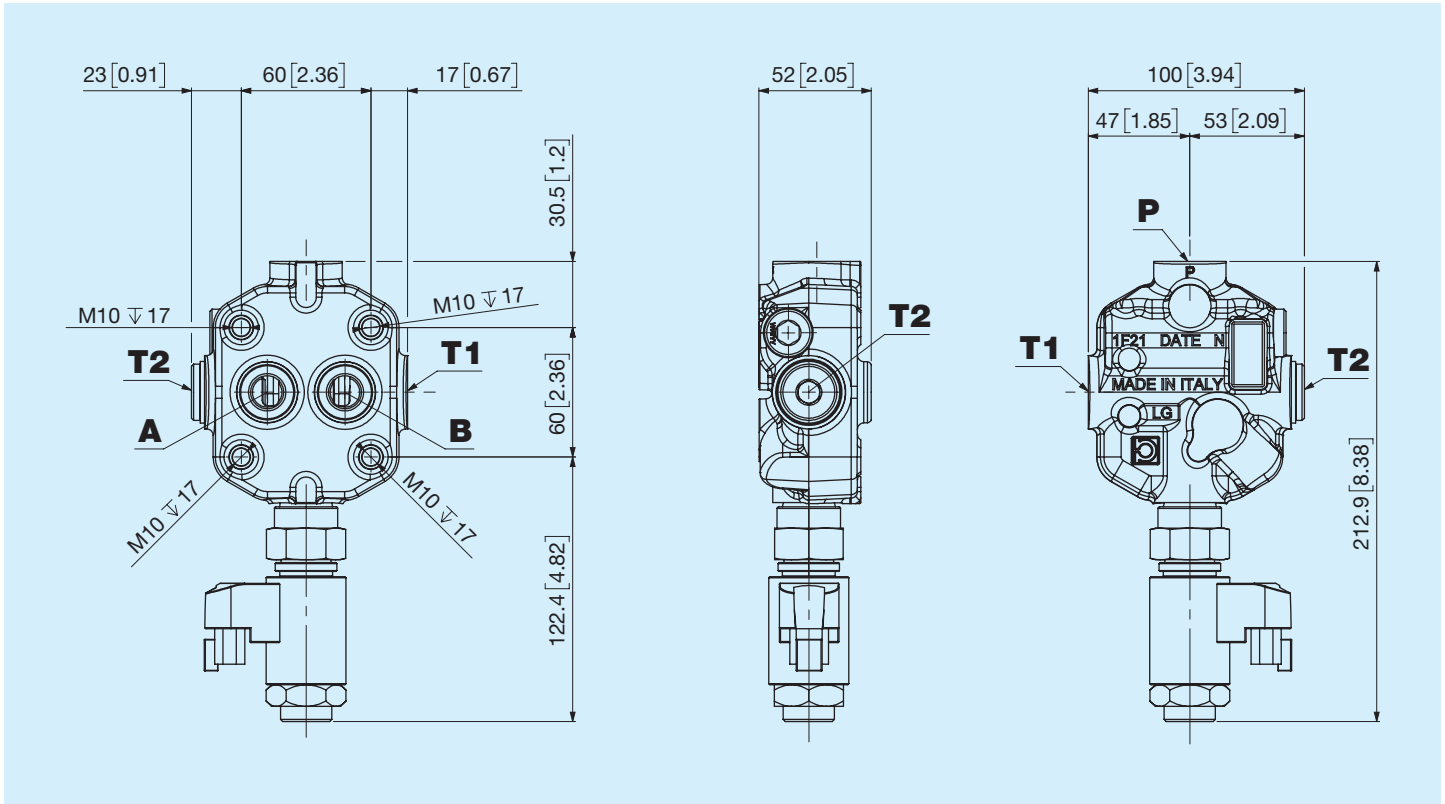
## Thread ports P - T

Code	Type	Torque $\pm 10\%$ Nm
<b>B</b>	1/2" GAS ISO 1179	35
<b>R</b>	7/8" - 14 SAE ISO 11926	70

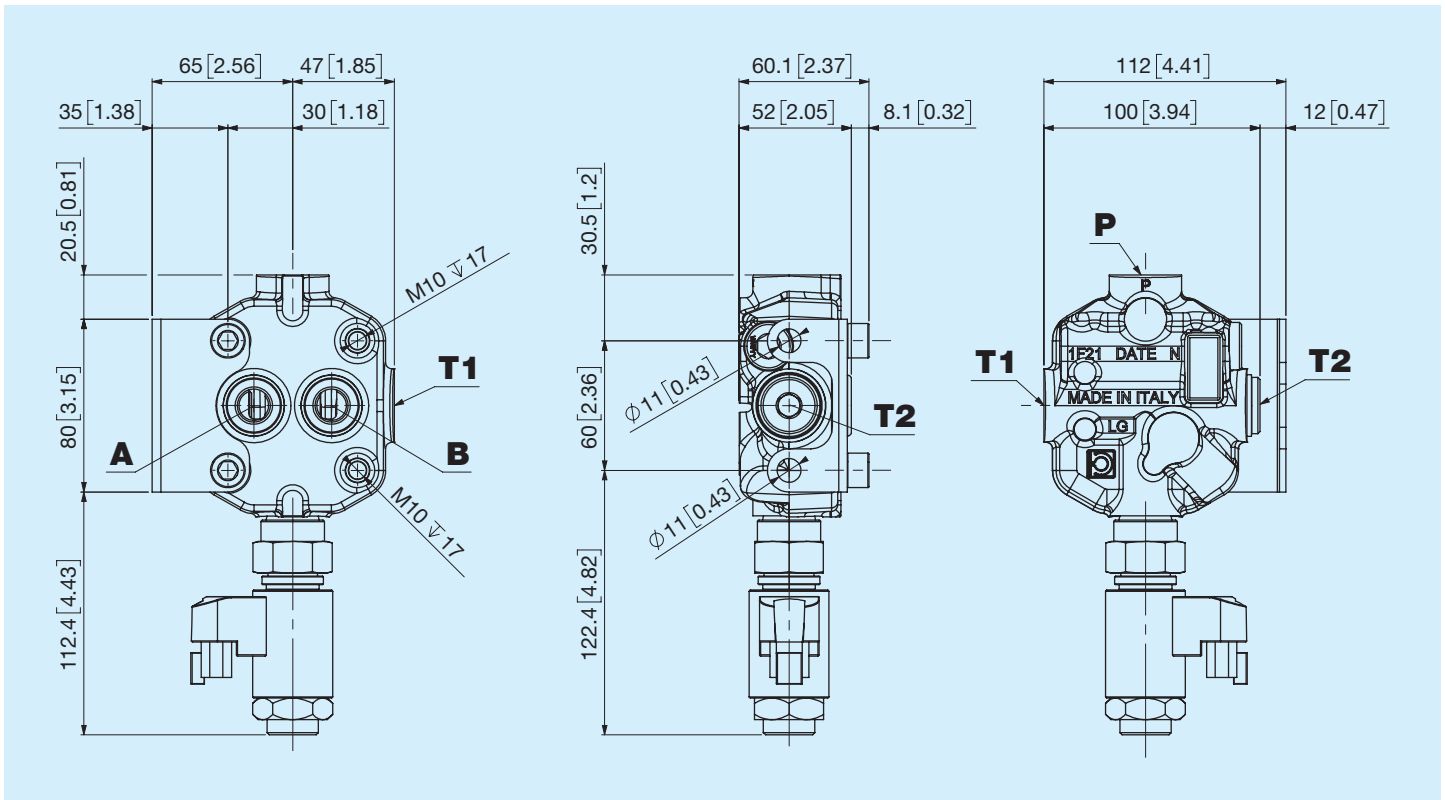
## Thread ports A - B

Code	Type	Torque $\pm 10\%$ Nm
<b>A</b>	3/8" GAS ISO 1179	35
<b>E</b>	3/4" - 16 SAE ISO 11926	70

**NN** None

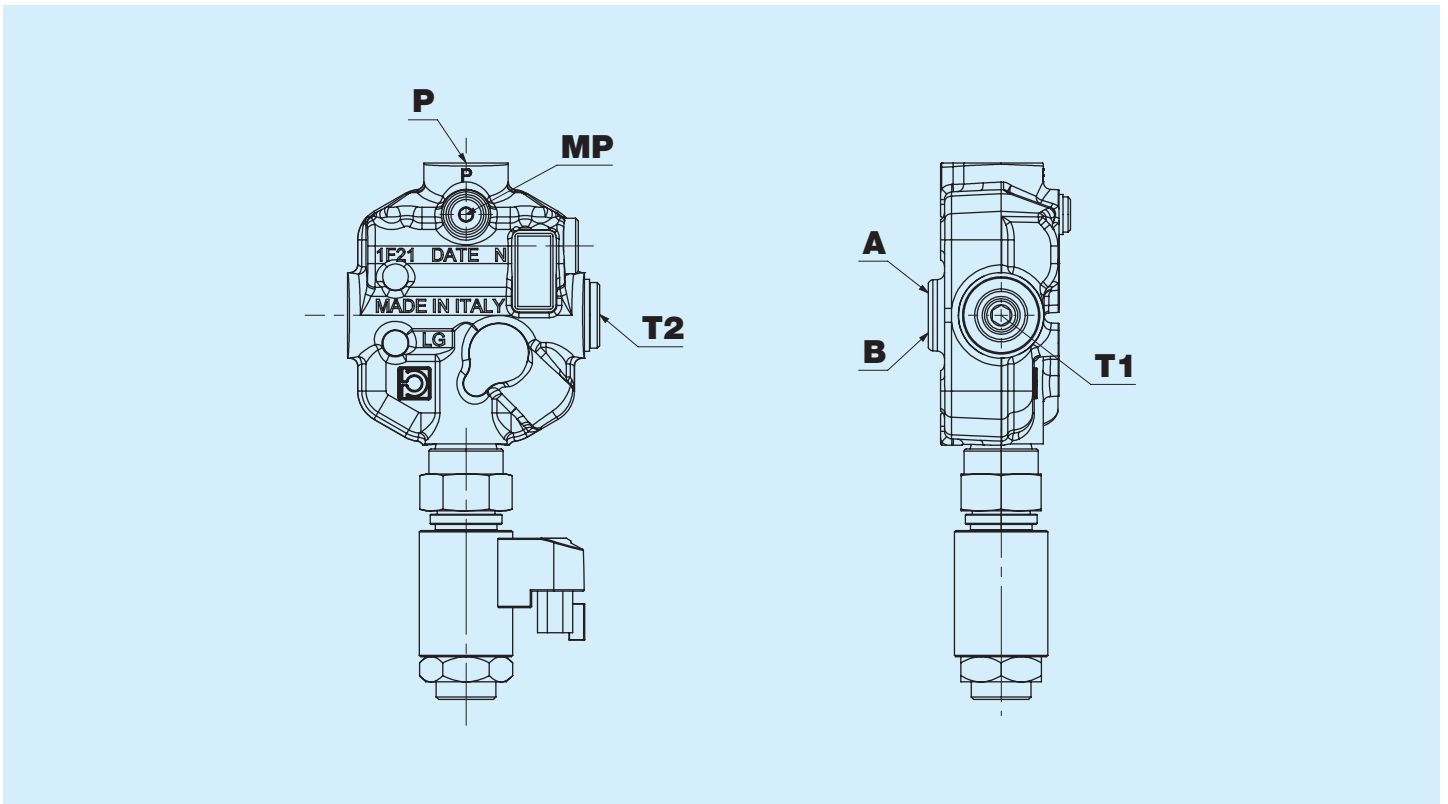


**H2** Standard





## MP - Pressure gauge port

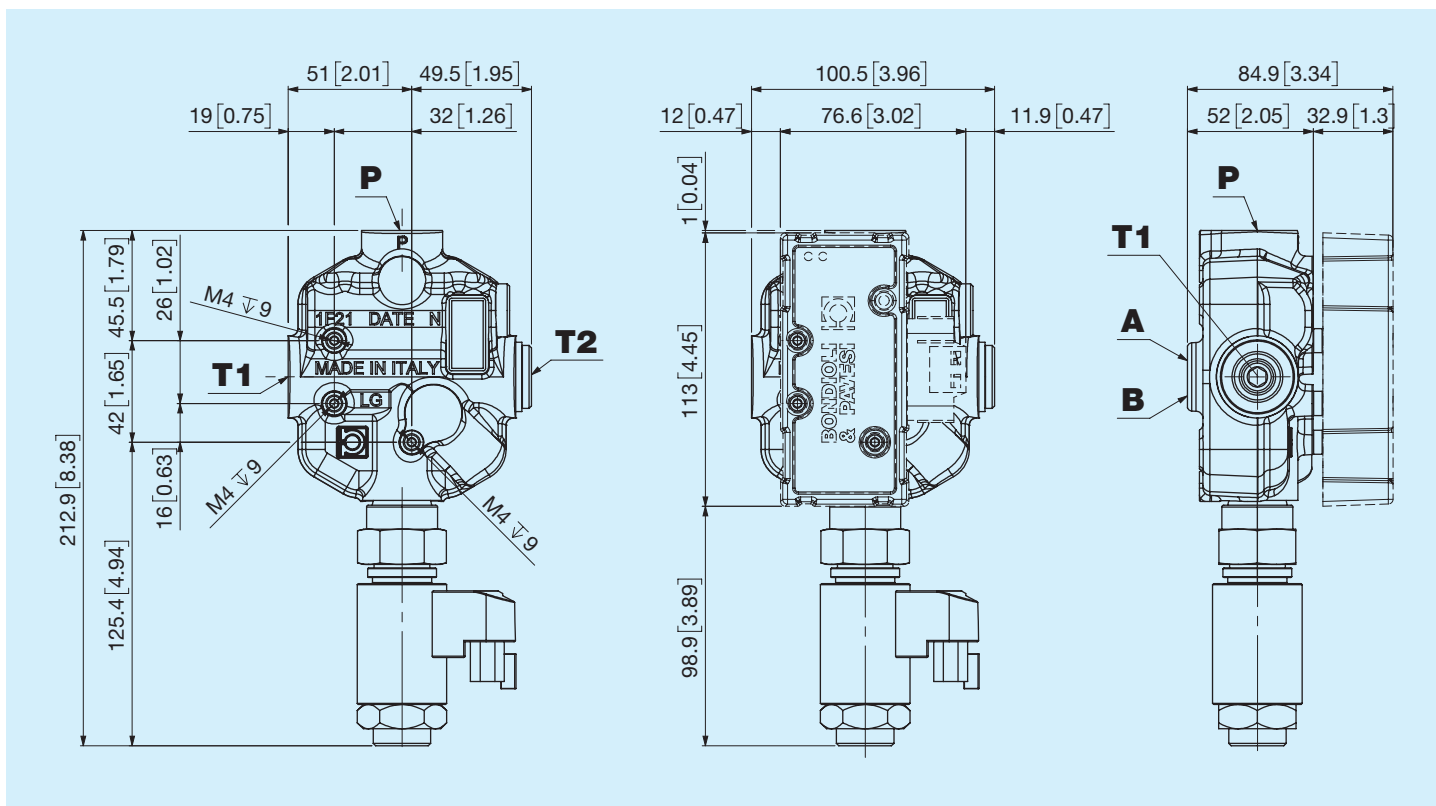


In the presence of a pressure gauge port, the solution is supplied with a plugged MP port.

## Threading of port MP

Code	Type	Torque $\pm 10\%$ Nm
<b>0</b>	None	
<b>Q</b>	1/8" GAS ISO 1179	12

## P Arrangement



The option foresees the arrangement of the Fan drive to the SMAT POWER FAN electronic board of the Bondioli and Pavesi group. For more information on the latter, consult the product sheet on the Bondioli and Pavesi website. The choice of this option excludes the possibility of having the MP pressure gauge port.



<b>FDLPA</b>												
1 2	<b>Maximum pressure valve type</b>											
		<b>21</b> 210 bar				<b>15</b> 150 bar				<b>07</b> 70 bar		
3 4	<b>Maximum pressure valve type</b>											
		<b>NN</b> None			<b>09</b> 90 bar			<b>15</b> 150 bar			<b>21</b> 210 bar	
		<b>VC</b> Filler valve only			<b>10</b> 100 bar			<b>16</b> 160 bar			<b>22</b> 220 bar	
		<b>05</b> 50 bar			<b>11</b> 110 bar			<b>17</b> 170 bar			<b>23</b> 230 bar	
		<b>06</b> 60 bar			<b>12</b> 120 bar			<b>18</b> 180 bar			<b>24</b> 240 bar	
		<b>07</b> 70 bar			<b>13</b> 130 bar			<b>19</b> 190 bar			<b>25</b> 250 bar	
		<b>08</b> 80 bar			<b>14</b> 140 bar			<b>20</b> 200 bar				
5	<b>Thread Port P</b>											
	<b>B</b> 1/2" GAS ISO 1179				<b>R</b> 7/8" - 14 SAE ISO 11926							
6	<b>Thread Port A and B</b>											
	<b>A</b> 3/8" GAS ISO 1179				<b>E</b> 3/4" - 16 SAE ISO 11926							
7 8	<b>Bracket height</b>											
		<b>NN</b> None				<b>H2</b> Standard						
9	<b>Thread Port MP</b>											
	<b>0</b> None				<b>Q</b> 1/8" GAS ISO 1179							
10	<b>Voltage and connector</b>											
	<b>G</b> 12V DEUTSCH DT04-2P				<b>H</b> 24V DEUTSCH DT04-2P							
11	<b>Voltage and connector</b>											
	<b>N</b> None				<b>P</b> Arrangement							
12	<b>External treatment</b>											
	<b>N</b> None				<b>Z</b> Galvanising							