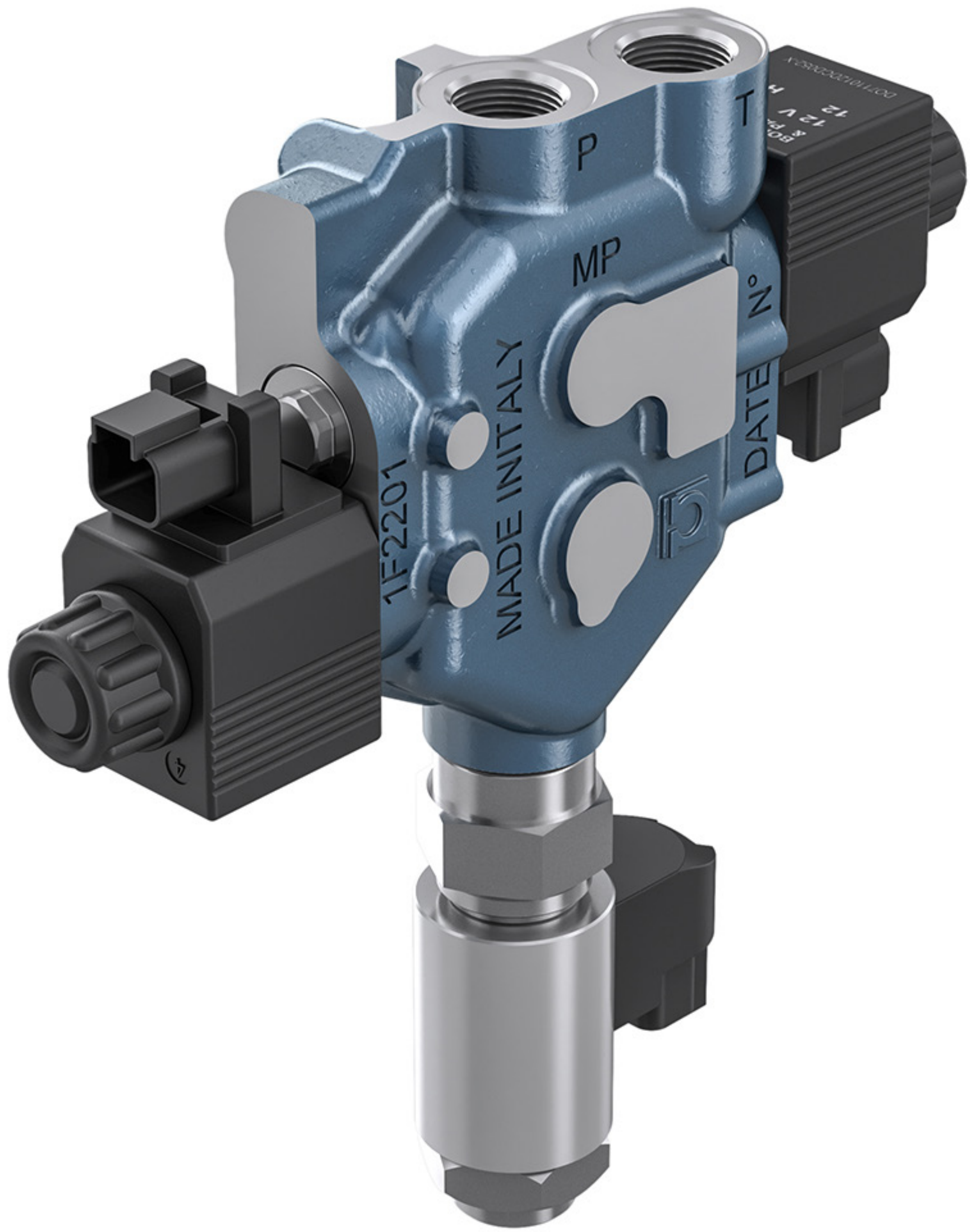
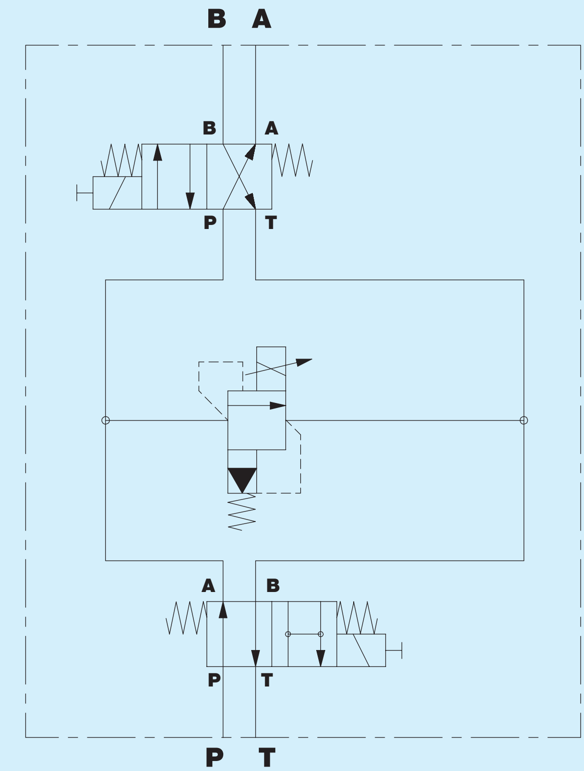
In-line fan drive with proportional, inversion and stop control of the fan



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

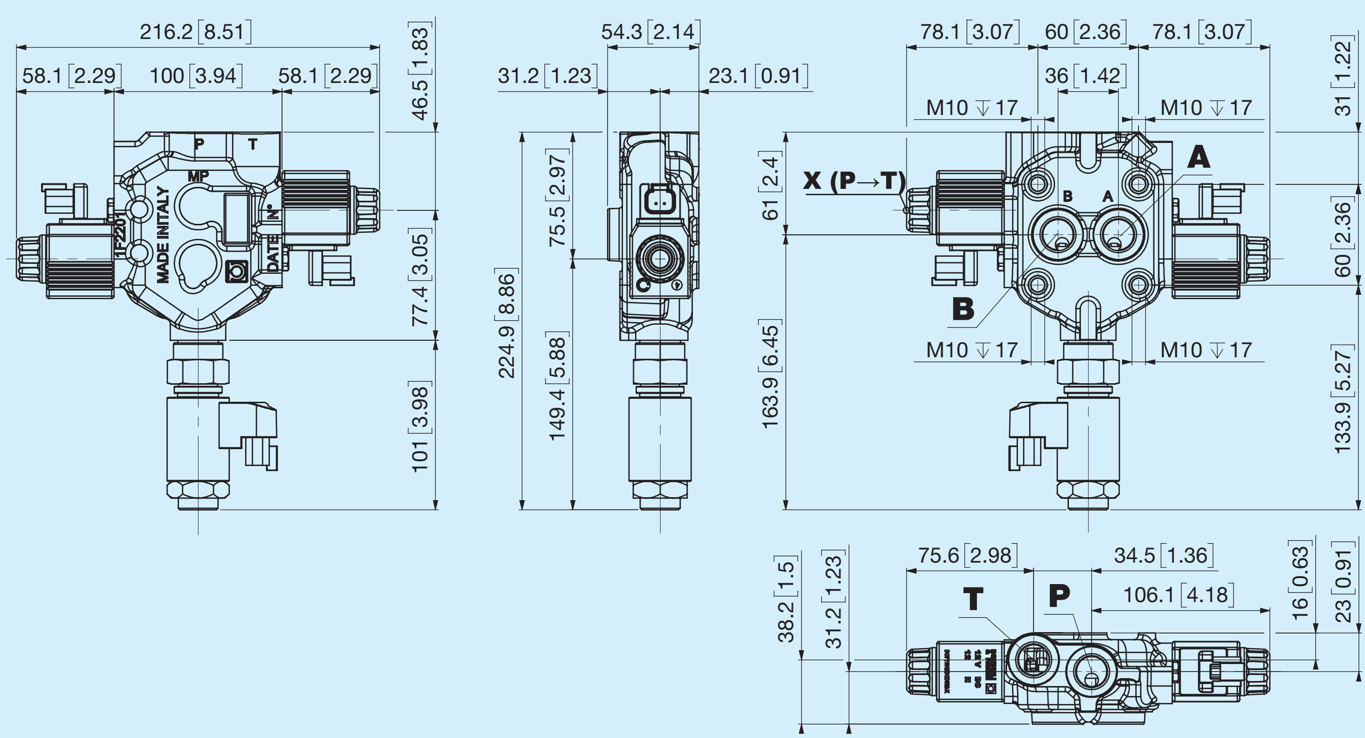
Technical data

Nominal flow rate	**65 l/min** ***17.17 US gpm***
Nominal pressure	**250 bar** ***3625 psi***
Temperature range	**-20°C +85°C NBR seals** ***(max peak +100°C)***
Operating oil viscosity	**from 15 mm²/s to 90 mm²/s** ***(15 cSt to 90 cSt)***
Fluid	**Hydraulic fluids defined by the ISO 6743-4 standard**
Weight	**2.7 kg** ***5.95 lb***



STANDARD version

Overall dimensions

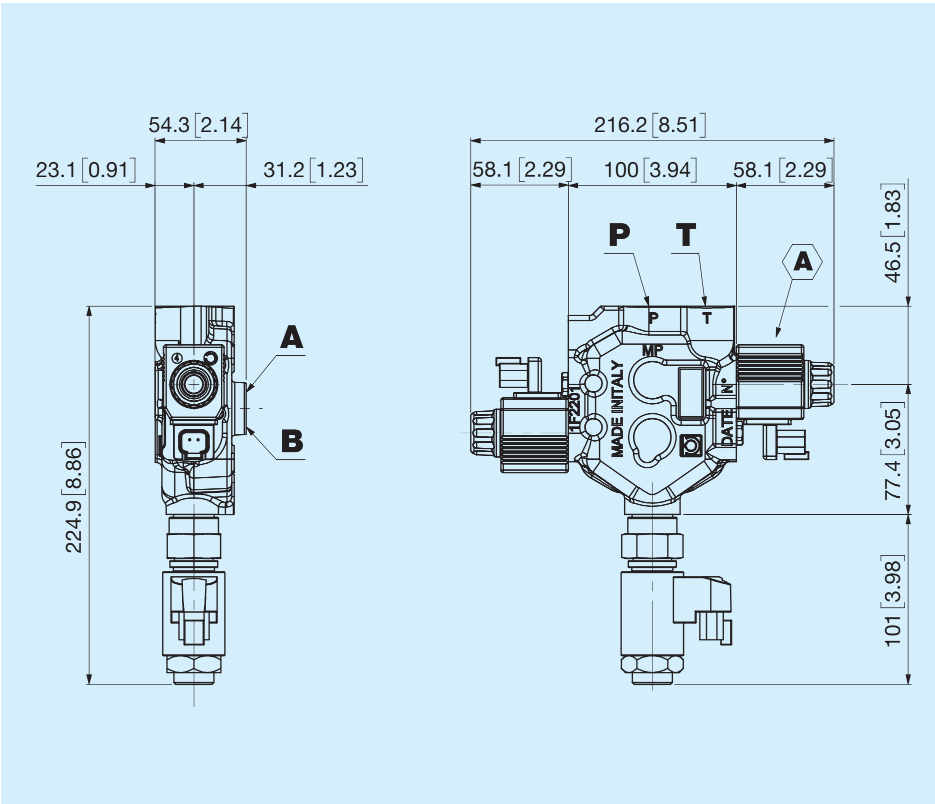


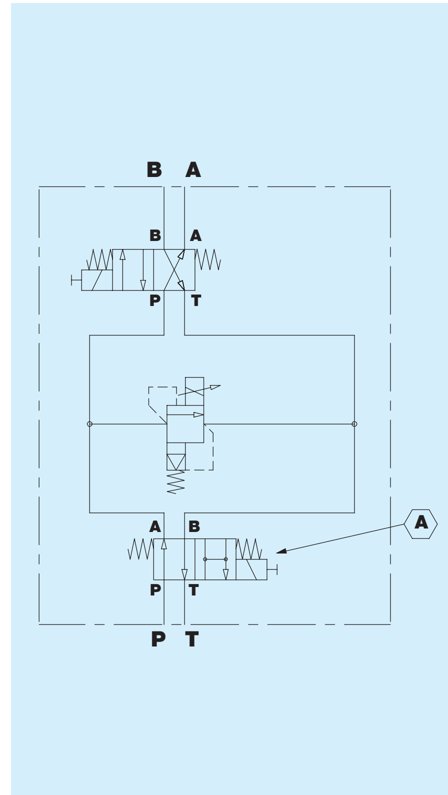
X = Push type button

BONDIOLI & PAVESI DINOIL

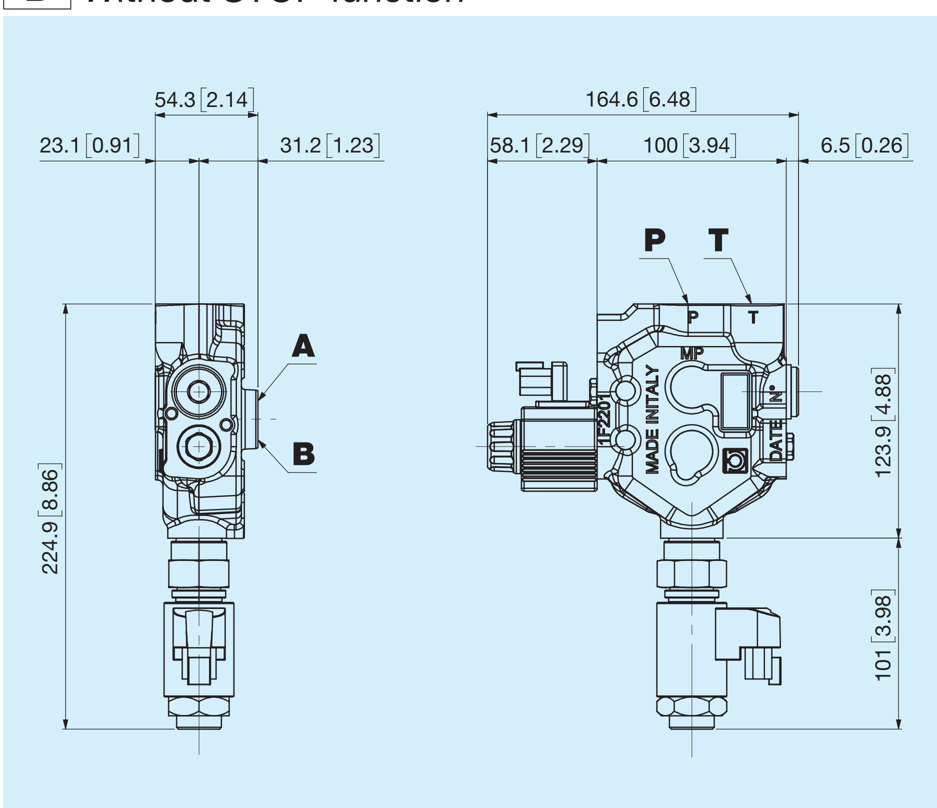
Maximum pressure valve type

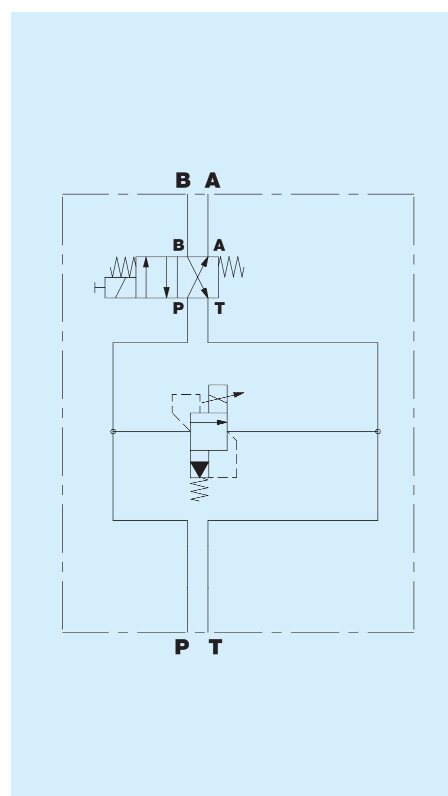
A With STOP function



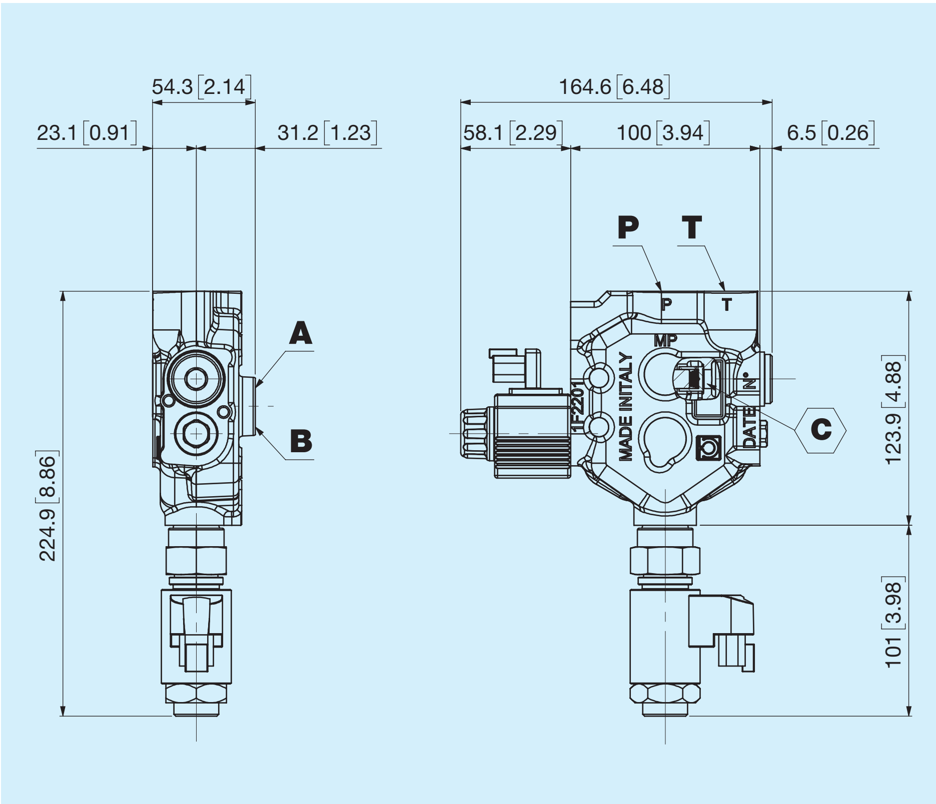


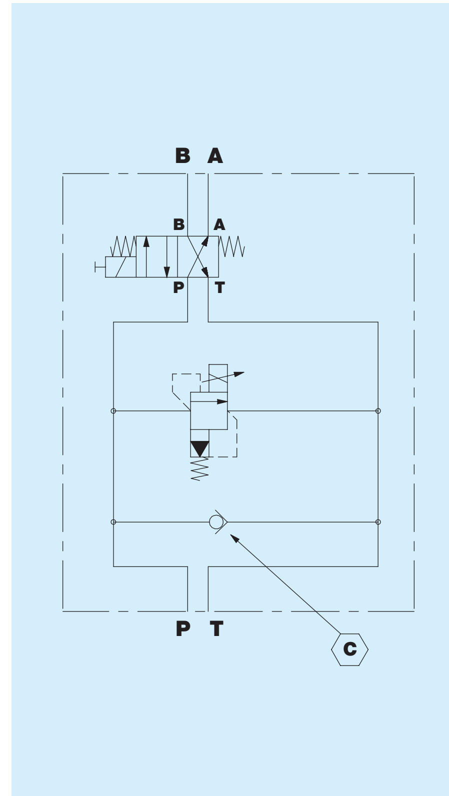
B Without STOP function





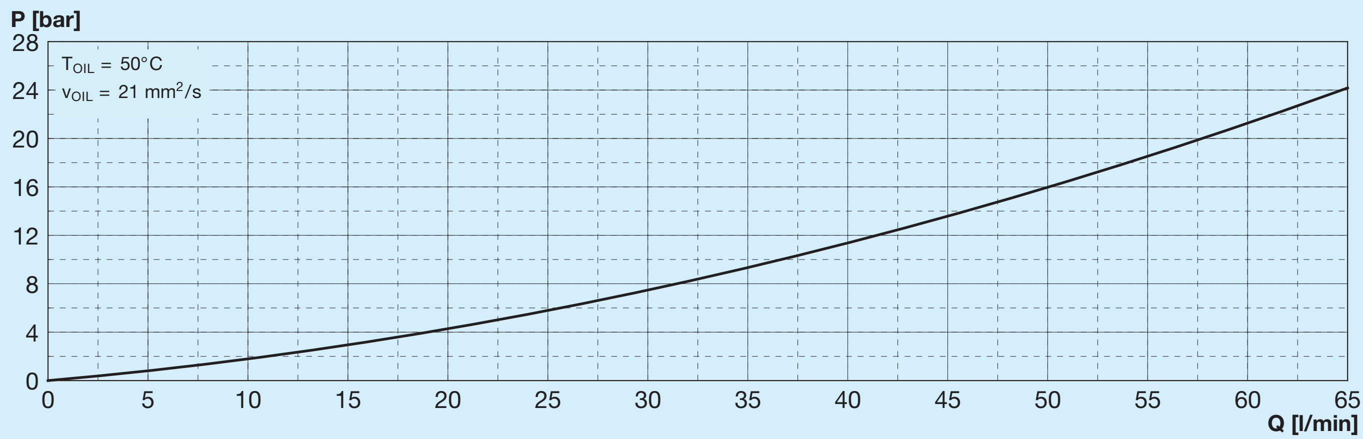
C Without STOP function and with filler valve



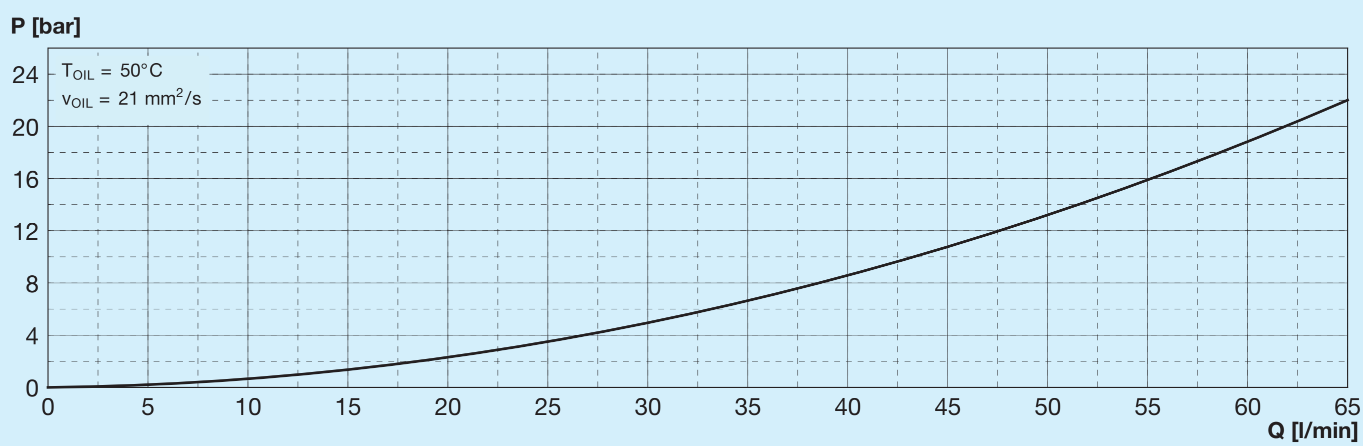


For correct operation, the inversion function must be carried out with the proportional coil energized.

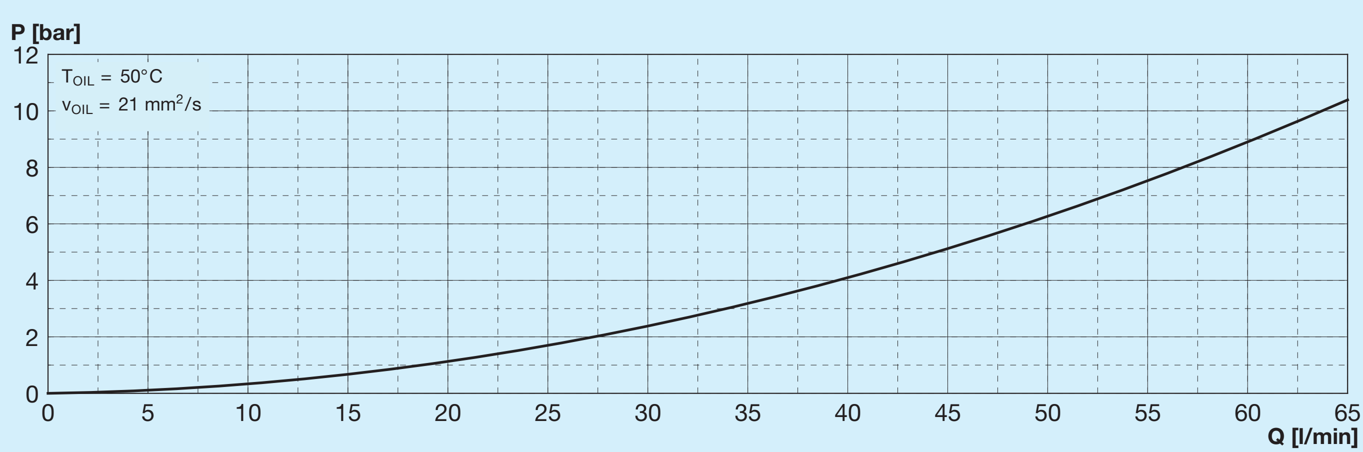
Flow curve P-T version A With STOP function



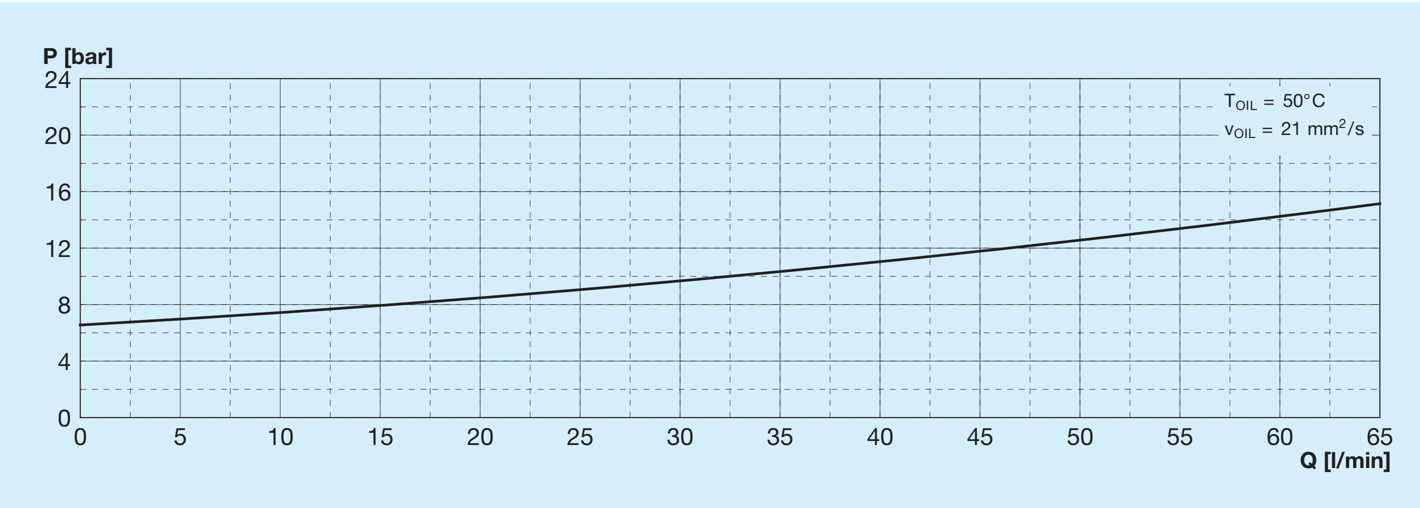
Flow curve P-A version A With STOP function



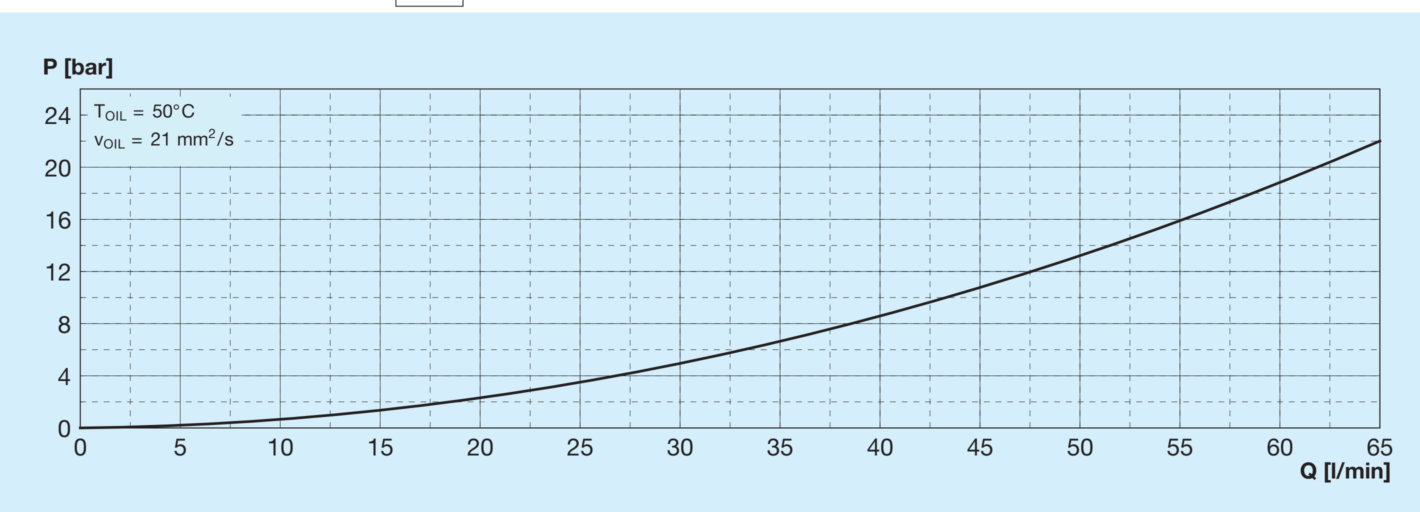
Flow curve B-T version A With STOP function



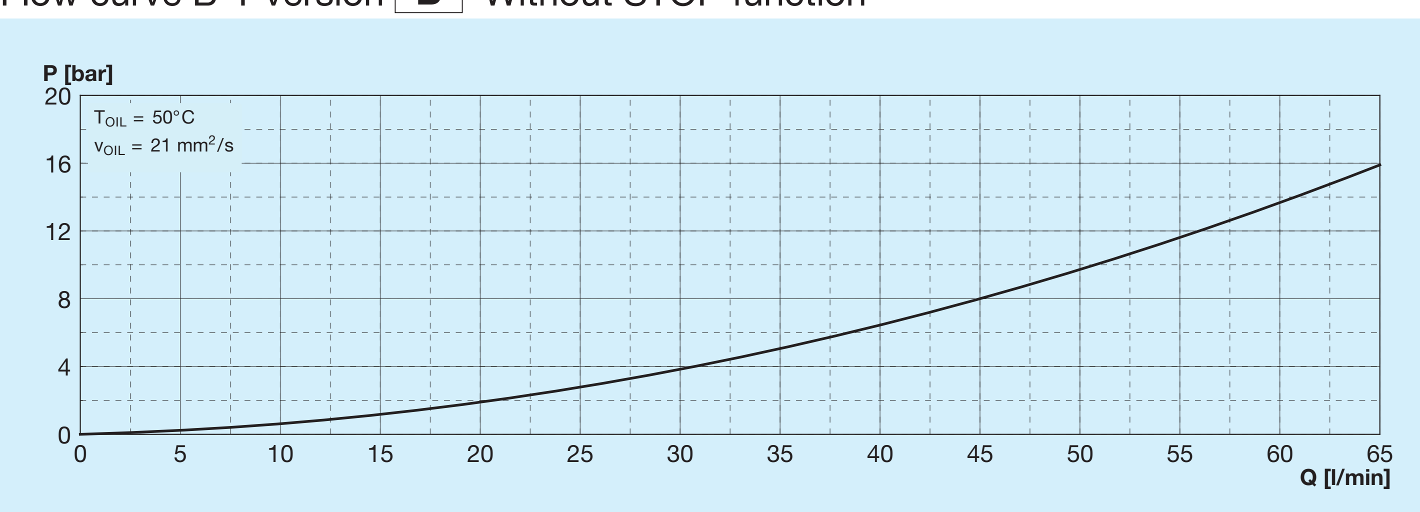
Flow curve P-T version B Without STOP function



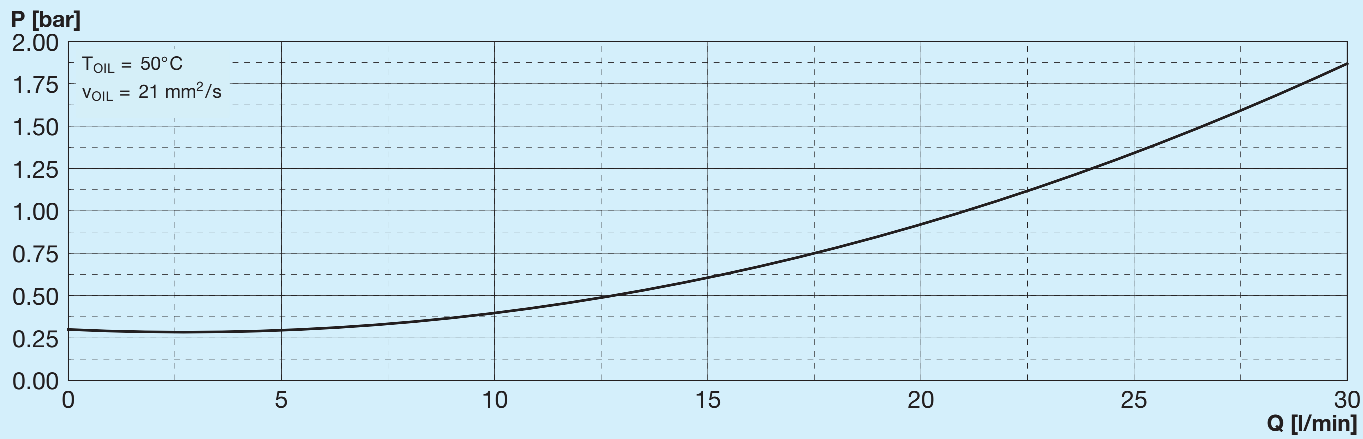
Flow curve P-A version B Without STOP function



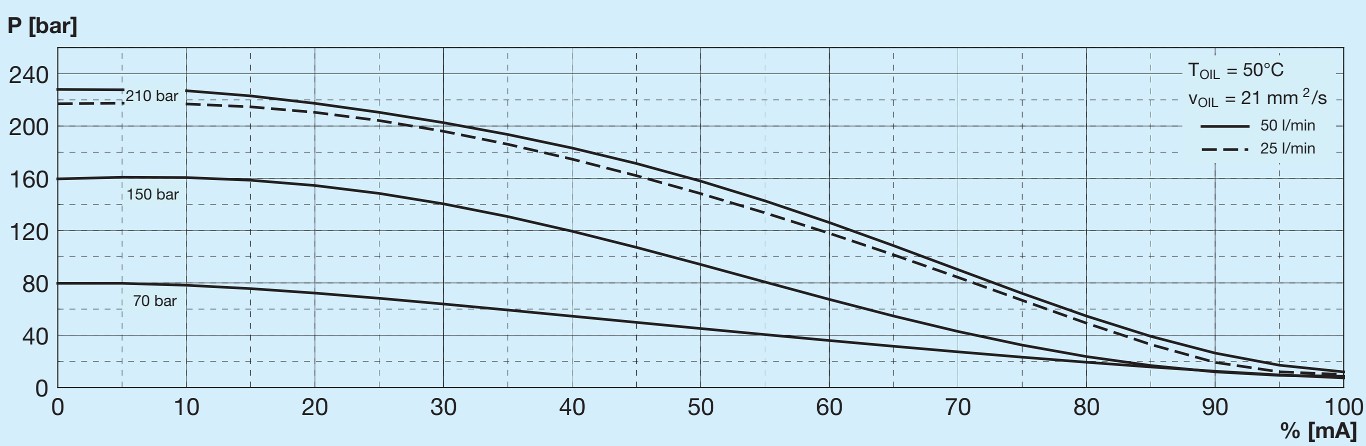
Flow curve B-T version B Without STOP function



Filler valve flow curve

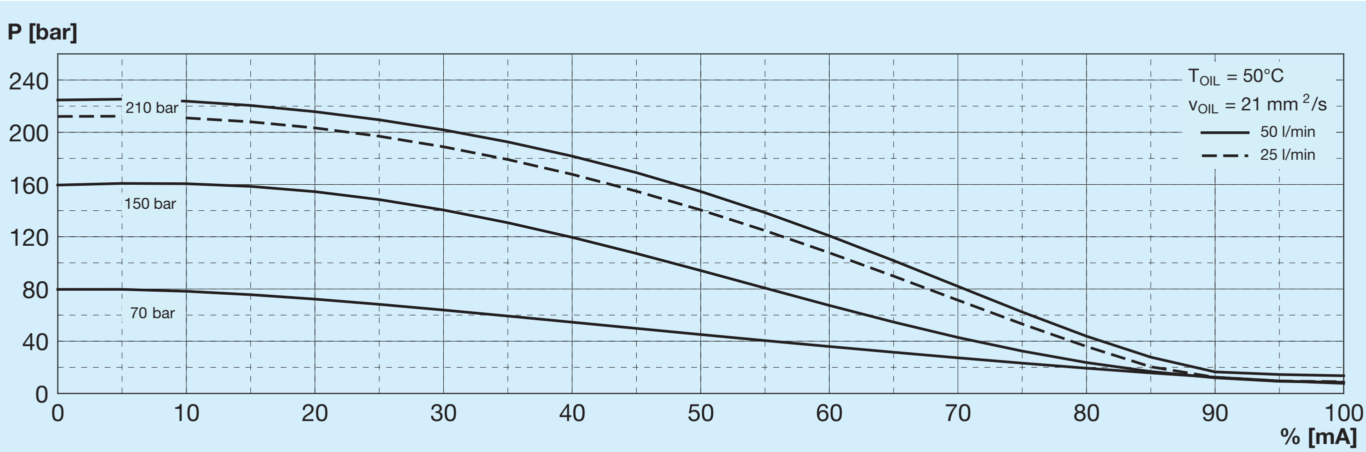


12V adjustment curve



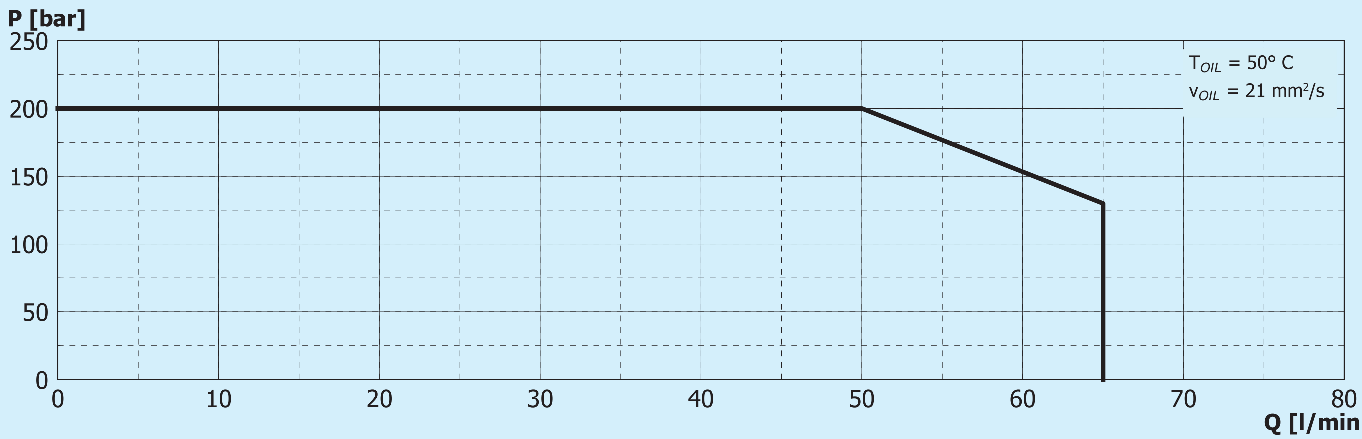
PWM = 100 Hz   I Max=1100 mA (± 5%)

24V adjustment curve

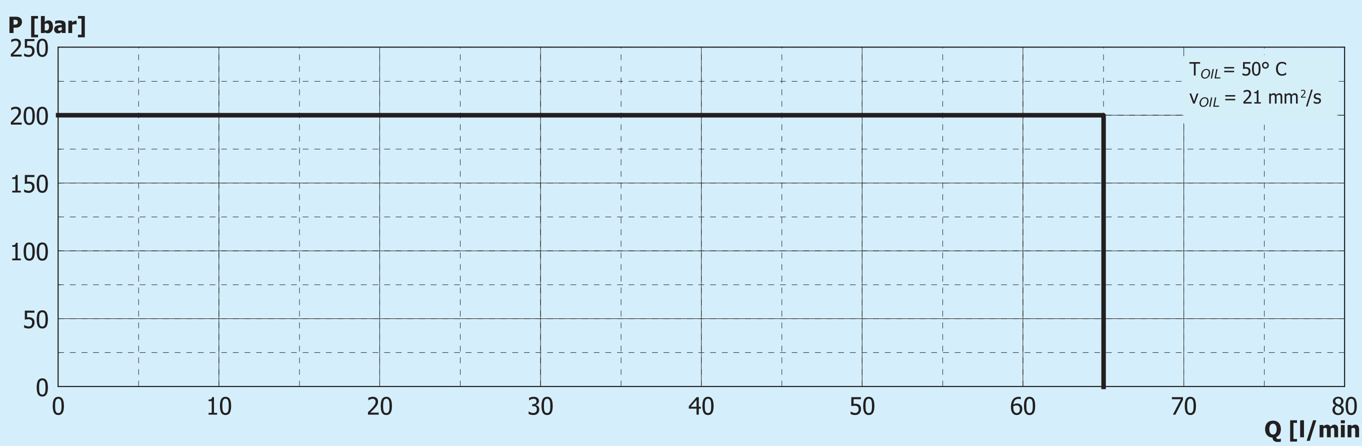


PWM = 100 Hz   I Max=600 mA (± 5%)

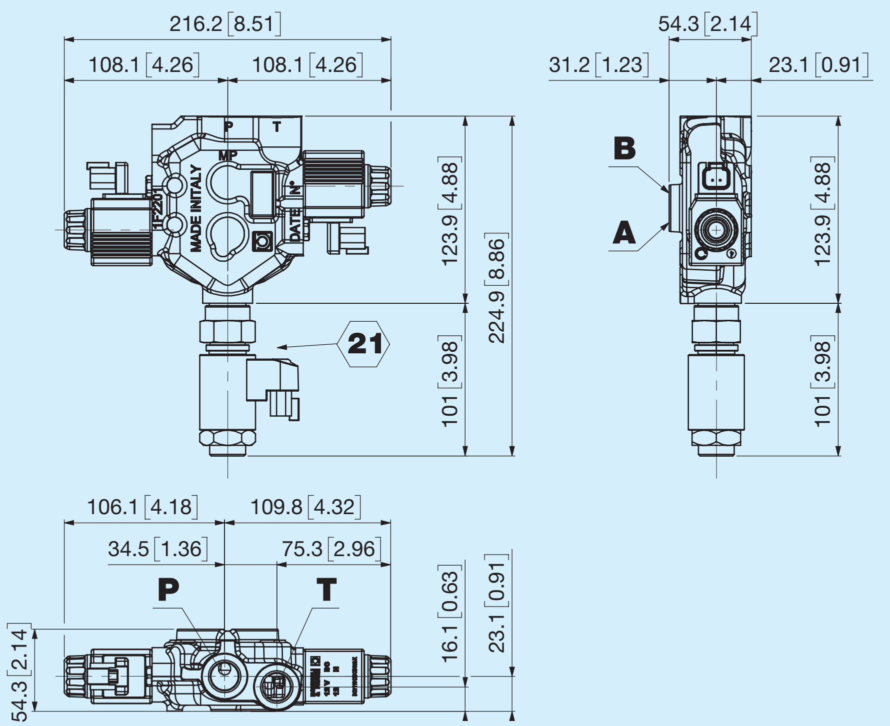
Operating limits version A With STOP function



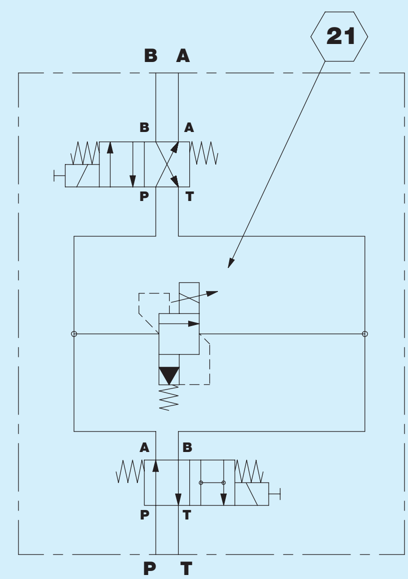
Operating limits version B Without STOP function



Proportional control valve



See the ordering string for the settings



For correct operation, the inversion function must be carried out with the proportional coil energized.

ON-OFF valve with stop and inversion function

Voltage	12	24	V (± 10%)
Resistance at 20°C	4,5	19,4	Ω (± 7%)
Absorbed current	2,7	1,24	A
Power	26,5	30	W

Proportional control valve

Voltage	12	24	V (± 10%)
Resistance at 20°C	7,2	34	Ω (± 5%)
Minimum current	0	0	mA (± 5%)
Maximum current	1100	600	mA (± 5%)
PWM	50 - 250*	50 - 250*	Hz

*Recommended 100 Hz

Thread ports

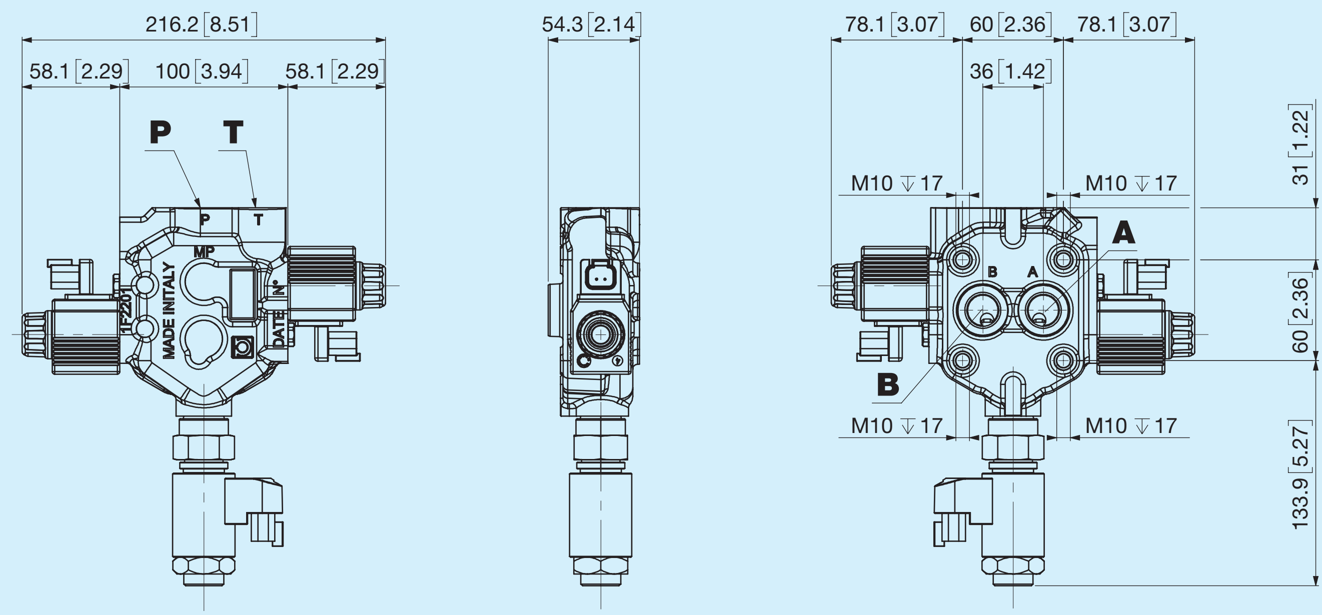
Thread ports P - T

Code	Type	Torque ± 10% Nm
B	1/2'' GAS ISO 1179	35
R	7/8'' - 14 SAE ISO 11926	70

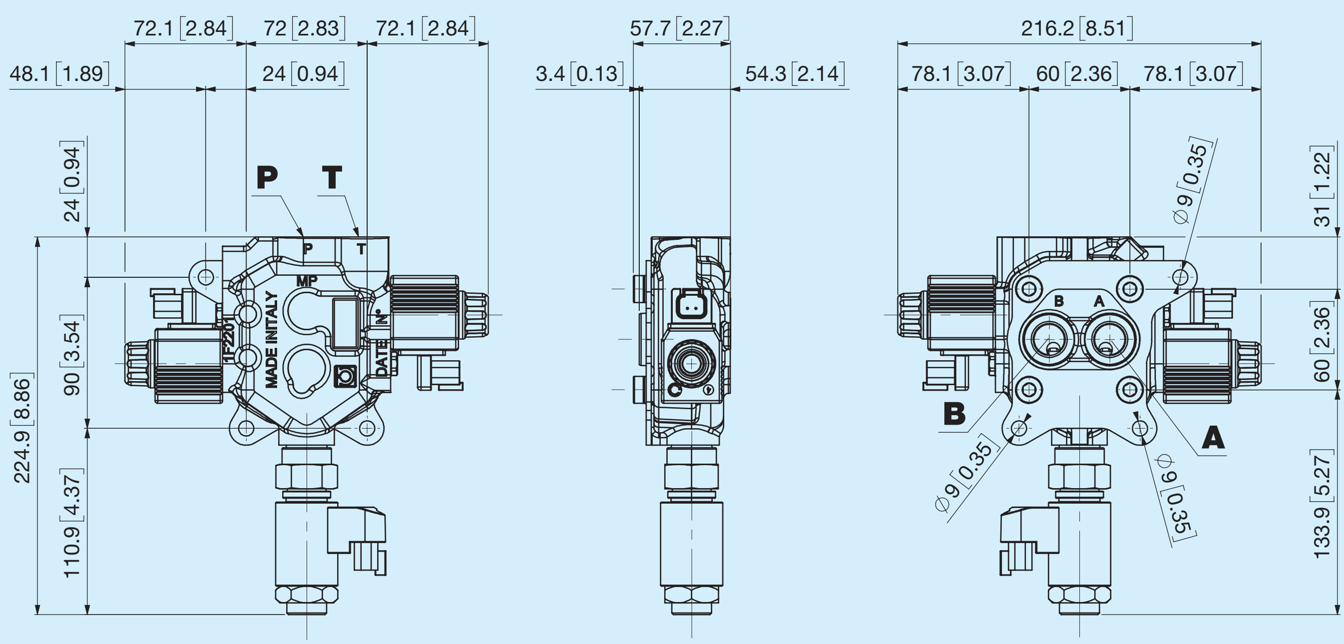
Thread ports A - B

Code	Type	Torque ± 10% Nm
A	3/8'' GAS ISO 1179	35
E	3/4'' - 16 SAE ISO 11926	70

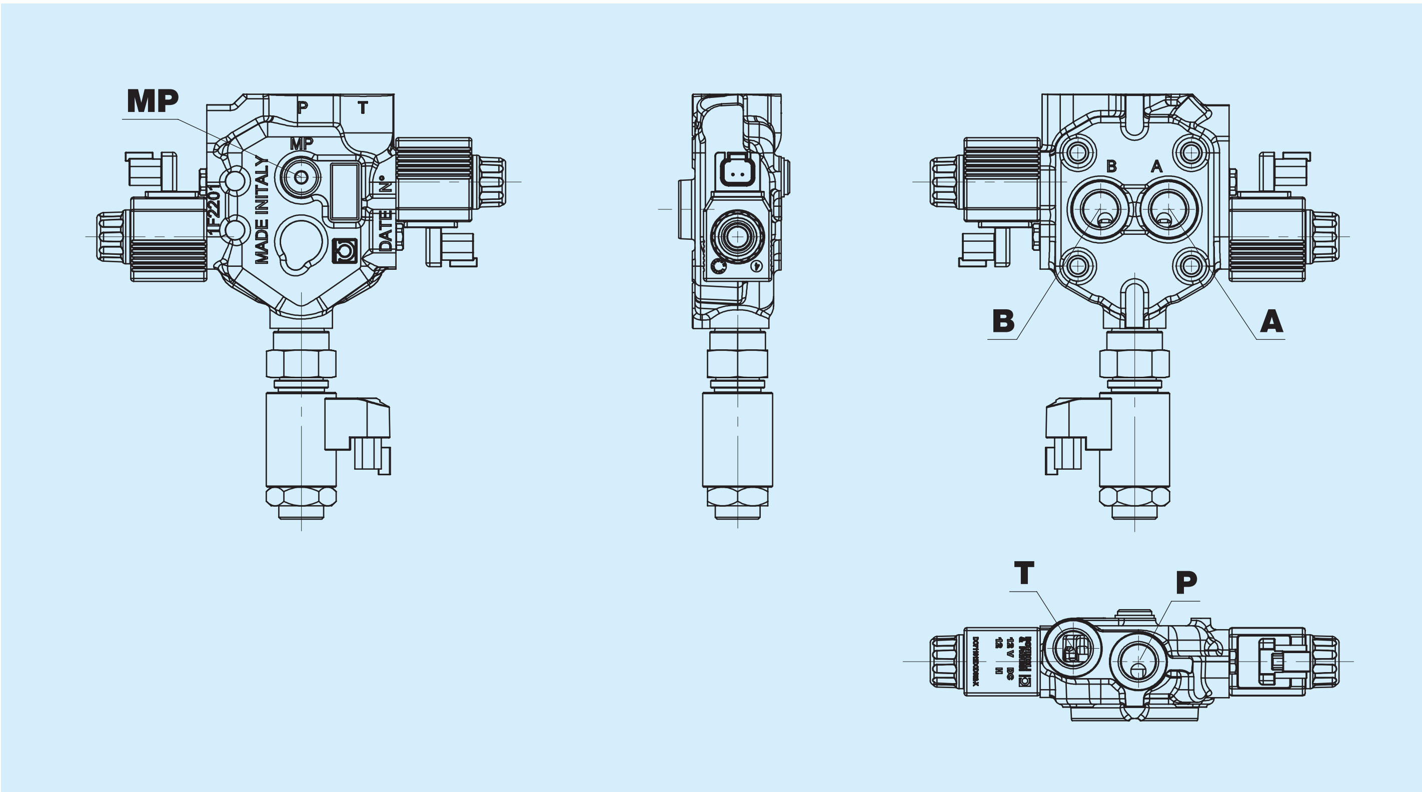
NN None



H2 Standard



MP - Pressure gauge port

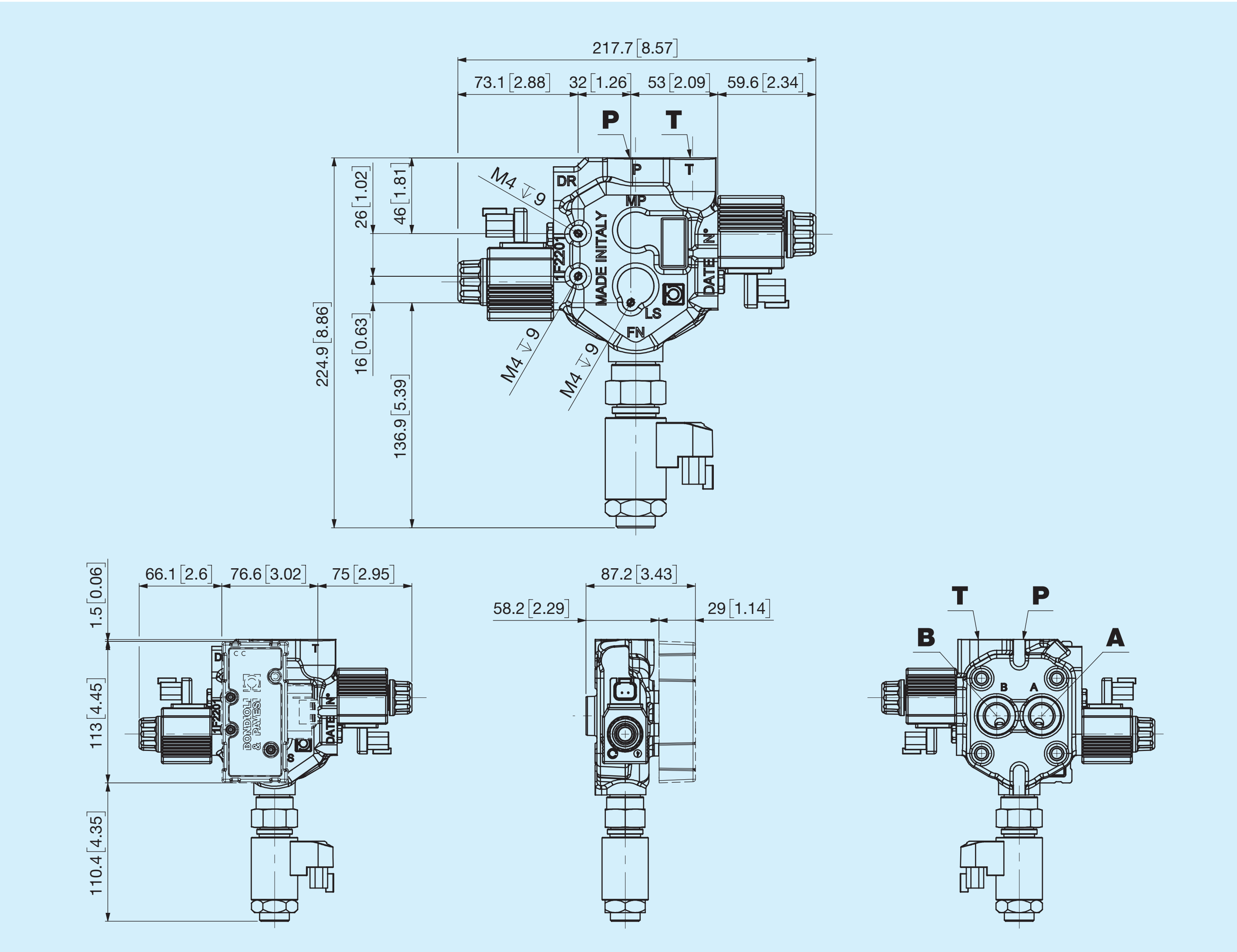


In the presence of a pressure gauge port, the solution is supplied with a plugged MP port.

Threading of port MP

Code	Type	Torque ± 10% Nm
0	Not machined	
L	1/4'' GAS ISO 1179	14
P	9/16'' - 18 SAE ISO 11926	10

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.

Instructions for ordering

FDLPD	1	2	3	4	5	6	7	8	9	10	11

1 General options

A With STOP function	**B** Without STOP function	**C** Without STOP function and with filler valve

2 3 Maximum pressure valve type

21 210 bar	**15** 150 bar	**07** 70 bar

4 Thread Port P

B 1/2'' GAS ISO 1179	**R** 7/8'' - 14 SAE ISO 11926

5 Thread Port A and B

A 3/8'' GAS ISO 1179	**E** 3/4'' - 16 SAE ISO 11926

6 7 Bracket height

NN None	**H2** Standard

8 Thread Port MP

0 Not machined	**L** 1/4'' GAS ISO 1179	**P** 9/16'' - 18 SAE ISO 11926

9 Voltage and connector

G 12V DEUTSCH DT04-2P	**H** 24V DEUTSCH DT04-2P

10 Voltage and connector

N None	**P** Arrangement

11 External treatment

N None	**Z** Galvanising