

**TPO-7.5 In Line Heater with Accessories**



**PV 3 Safety valve**



**Double thermostat with Pt1000 sensor**



Main features	
Application	continuous water heating
Description	it consists of an in line heater, safety valve, thermostat, wall bracket; the unit needs to be fitted with an el. heating element (ETT-A) of max. 7.5 kW output.
Working fluid	water, water/glycol mixture (max. 1:1) or water-glycerine mixture (max. 2:1)
<b>Code</b>	<b>16 166</b>

*\* the in line heater cannot be used for DHW heating*

Technical data for TPO-7.5 in line heater	
Max. working pressure	3 bar (6 bar)*
Max. working temperature	100 °C
Storage temperature	0 to 60 °C
In/out/thermostat connection	3 x G 1" F
ETT connection	1 x G 6/4" F
Safety valve connection	1 x G 1/2" F
Set weight without ETT	10.5 kg

*\* max. working pressure value for in line heater is 6 bar, reached by replacing the supplied safety valve with a safety valve of 6 bar opening pressure*

Accessories	
Electric heating element	ETT-A, max. output 7.5 kW

PV 3 safety valve technical data	
Technical data	
Nominal pressure	PN 10
Opening pressure p <sub>o</sub>	3 bar
Working temperature	max. 110 °C
Connection	G 1/2" M x G 1/2" F

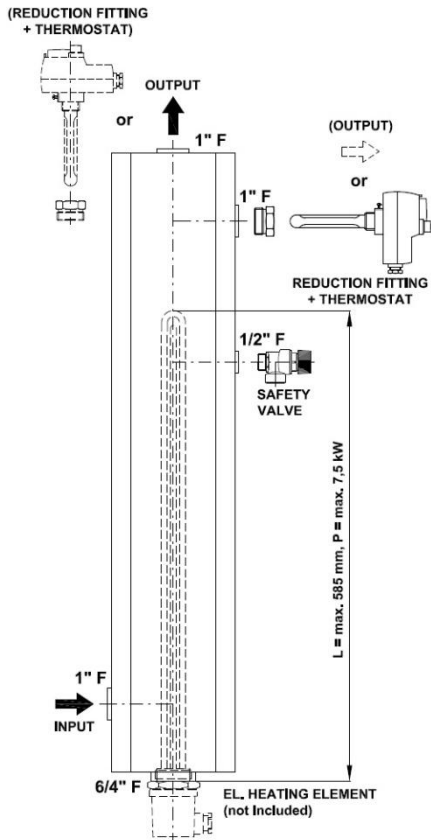
Double thermostat with Pt1000 sensor technical data	
Thermostat technical data	
Max. working temperature	90 °C
Safety thermostat	100 °C (fixed value)
Adjustable thermostat	0 to 90 °C (adjustable temperat. range)
Hysteresis	2 to 5 K
Contact rating	terminal C-1 (opening) - 16 (3) A / 250 V~ terminal C-2 (closing) - 6 (1) A / 250 V~
Number of cycles	100 000 (adjustable thermostat) 1 000 (safety thermostat)
IP rating	IP 40
Class	II

Pt1000 sensor technical data	
Temp. measurement range	-50 to 180 °C
Temperature coefficient	3850 ppm / °C
Resistance at 0 °C	1000 Ω
Recommended measuring current	0.3 mA
Max. measuring current	2 mA
Sensor cable	2 x 0.5 mm <sup>2</sup> , l = 2 m

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Connections and dimensions

CONNECTION POSSIBILITIES



DIMENSIONS

variant 1

variant 2

