



PRESSURE WATER TEMPERATURE CONTROLLERS

Type 140E 6/12E, 140E 20/40/60E, 160E 6/12E, 180E 20/40P



INDUSTRY 4.0

The range of pressurised water controllers differentiates itself by its robustness with the integration of top performing components.

This new generation brings simple daily use to the shop floor. These systems offer a wide range of options to respond to all high temperature applications in the market.

Summit Systems proposes a detailed study of your projects on request.

Custom applications are possible thanks to the know-how of our team.

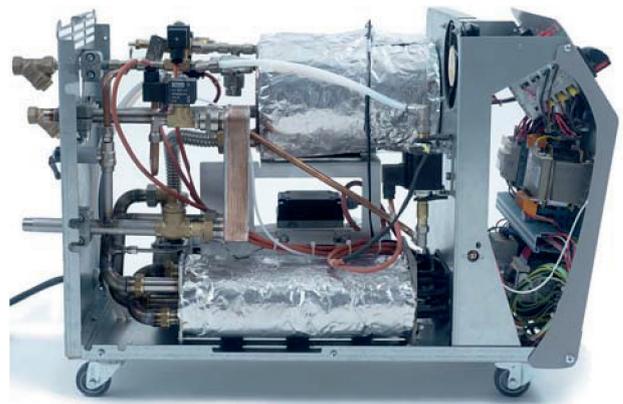


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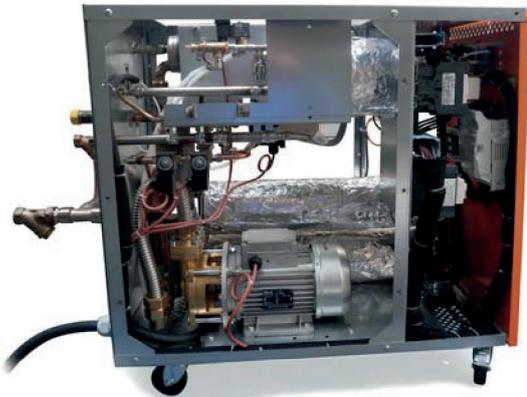
140/160E6-12E

- The new generation developed by our partner offers 2 systems from 140°C to 160°C. Heating power from 6 to 12 kW, with sealed peripheral or magnetically coupled 60 L/min pumps, covers the entirety of markets applications. A booster pump comes standard on the 160°C and is optional on the 140°C, for complementary water in the process without disturbing production. Equipped as standard with a static relay and pressure gauge, they offer high precision temperature control, security, and comfortable daily use.
- **Both are supplied with a 2-year warranty.**



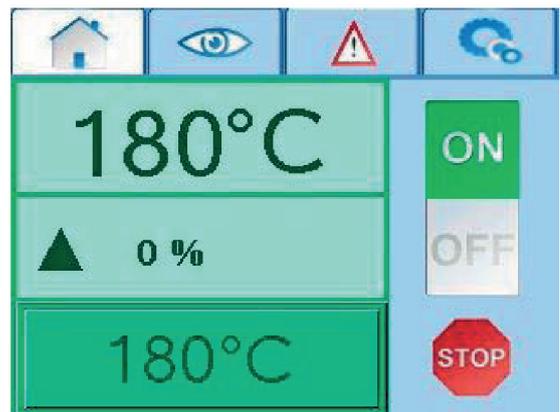
140E20-40-60E

- The 140°C range, available in 20 kW, 40 kW or 60 kW heating power, responds to applicable norms for pressurised equipment. It can be connected to large tools, notably for automotive applications, but also for chemistry and calendering. Its modular construction and robust components create a solid range that provides for easy maintenance. In addition to a number of important available options, it offers 4 pump types from 95 L/Min to 200 L/Min, and a pressure gauge comes as standard.
- **Comes with a 2-year warranty.**



180E20-40E

- This new generation of 180°C pressurised water temperature controllers was completely revamped, going from 20 to 40 kW heating power and up to 180kW for cooling power. The new 90 L/min mechanically coupled pump and the integration of a new anti-tarter cooling system guarantees consistent operation and quality production. Our partner has put emphasis on the new convivial and programmable colour touchscreen (possible to create a heating and cooling profile) with clear display of various alarms. The user is warned in real time of errors during production.
- **Comes with a 2-year warranty.**



The Pressurised Water Temperature Controllers meet the Directive of Pressurised Equipment (DESP)

TECHNICAL FEATURES OF WATER TEMPERATURE CONTROLLERS

PRESSURE WATER TEMPERATURE CONTROLLERS - Type 140E 6/12E, 140E 20/40/60E, 160E 6/12E, 180E 20/40P

MODEL	140E 6/12 E	140E 20/40/60 E	160 6/12 E	180 E 20/40 P					
Maximum Temperature °C	140			160	180				
Heating Capacity (kW)	6	12	20	40	60	6	12	20	40
Heating Stages	1								
Pump Type	Sealed Peripheral				Peripheral with Magnetic Coupling				
Maximum Flow L/Min	60		90-130-185		200	60		90	
Maximum Pressure (bar)	6		13			6		8	
Cooling Technology	Heat Plate Exchanger								
Cooling Power (kW) (Water 10°C - Maximum Process Temperature)	52		90			55		180	
Suction Mode (70°C max/Anti-leak)	Yes		No			Yes		No	
Filling	Automatic					Automatic with Booster Pump			
Filling Volume	3.5	4	10	15	20	3.5	4	6	8
Expansion Volume	2.5							6	
Process Inlet/Outlet	½"		1"			½"		1"	
Control & Regulation	MicroP - Self-Turning							Automate/Touchscreen	
Voltage	400V-3Ph. + T - 50Hz								
Dimensions (mm) Depth	900		930			900		1027	
Width	320		428			320		428	
Height	600		852			600		856	
Weight kg (empty)	55		170	175	180	57	62	150	160

OPTIONS

MODEL	140E 6/12 E	140E 20/40/60 E	160 6/12 E	180 E 20/40 P
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PROCESS

Pressure Gauge	●	●	●	●
Booster Pump	○	○	●	●
Solid State Relay	●	○	●	-
3-Way Valve "anti-fouling system"	○	○	○	●
Remote Temperature Sensor	○	○	○	○
Flowmeter	○	○	○	○
Pseudo-Cascade Control	○	○	○	○
(Air Pressure) Mold Cleaning	○	-	○	-
Programmable Cycle	-	-	-	○
Security Stop Procedure	-	-	-	○

COMMUNICATION

Remote Alarm	○	○	○	○
Remote Set Point & Copy Process T°C	○	○	○	○
"Communication RS 485 / TTY / Modbus Profibus / SPI..."	○	○	○	○
Remote Control	○	○	○	○

AUXILIARY EQUIPMENT

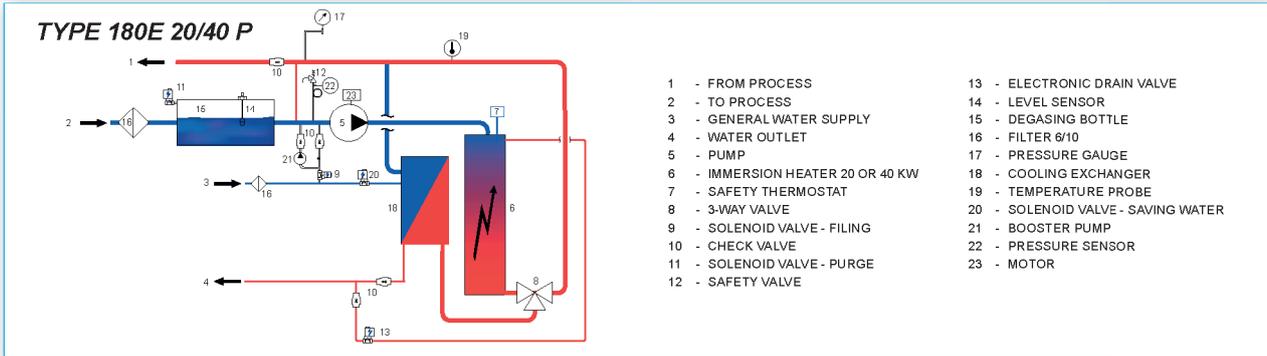
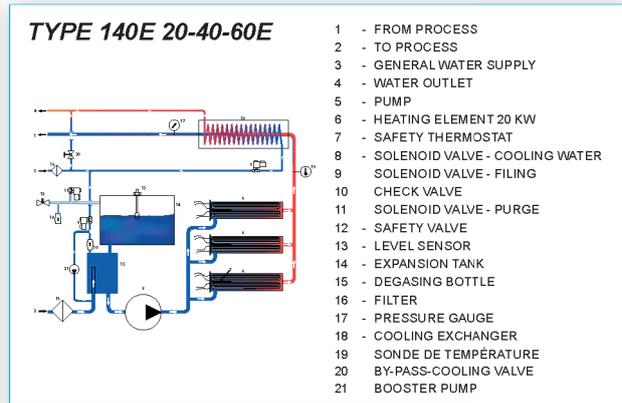
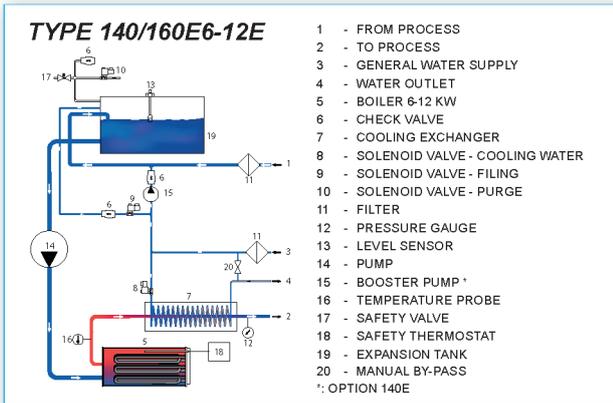
Manifold Multi - Inlets/Outlets	○	○	○	○
LED Alarm Tower	○	○	○	○

VARIOUS

Lateral Door Colour	○	○	○	○
230V/440V/480V - 3PH. + T - 60Hz	○	○	○	○

● = Standard ○ = Optional - = Not Available

HYDRAULIC CIRCUIT:



PUMP PERFORMANCE:

