



Pressure Water temperature Controllers **Type 140E 6/12E, 140E 20/40/60E,** **160E 6/12E, 180E 20/40P**

New range !



INDUSTRY 4.0

The range of pressurized water controllers differentiates itself by its robustness with the integration of top performing components. This new generation bring simple daily use to the shop floor. These systems offer a wide range of options to repond to all high temperature applications in the market.

SISE proposes a detailed study of your projects on request. Custom applications are possible thanks to the know-how of our team.

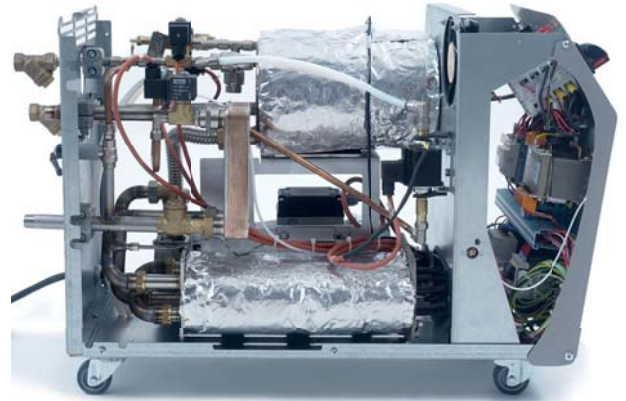


PLASTICS TECHNOLOGY UNDER CONTROL



140/160E6-12E

- The new generation developed by SISE 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 is optional on the 140°C, for complementary water in the process without disturbing production. Equipped standard with a static relay and pressure gauge, they offer high precision temperature control, security and comfortable daily use. **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 pressurized 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 standard. **2 year Warranty.**



180E20-40E

- This new generation of 180°C pressurized water temperature controllers was completely revamped, going from 20 to 40 kW heating power and up to 180kW for cooling power. A new 90 L/min mechanically coupled pump and the integration of a new anti-tarter cooling system guarantee consistent operation and quality production. SISE 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. **2 year Warranty.**



The ensemble of SISE pressurized water temperature controllers meet the directive of pressurized equipment (DESP)





TECHNICAL FEATURES WATER TEMPERATURE CONTROLLER

MODEL	140E 6/12 E					140E 20/40/60 E					160 6/12 E		180E 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		95 - 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)	60		70			65		90						
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	1/2"		1"			1/2"		1"						
Control and Regulation	MicroP - Self-Tuning								Automate / Touchscreen					
Voltage	400V-3Ph. + T - 50Hz													
Dimensions (mm) :	900		930			900		1027						
Depth	320		428			320		428						
Width	600		852			600		856						
Height														
Weight kg (empty)	55		170	175	180	57	62	150	160					

OPTIONS

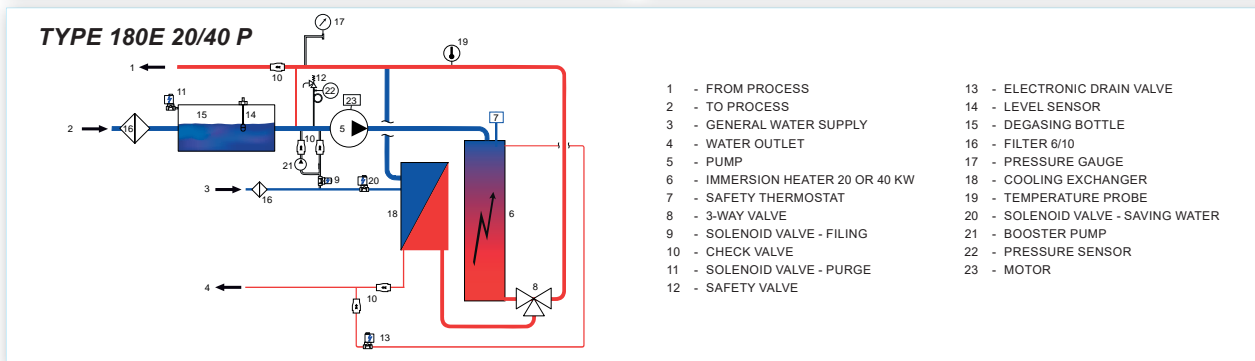
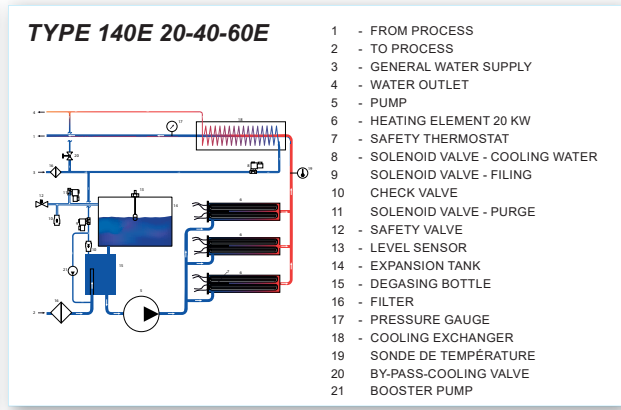
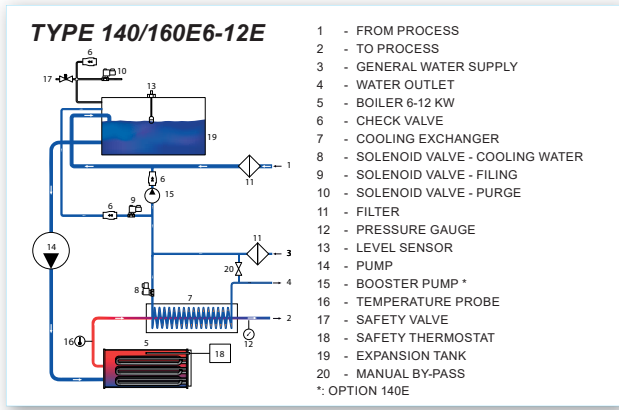
MODEL	140E 6/12 E		140E 20/40/60 E			160 6/12 E		180E 20/40 P	
PROCESS									
Pressure gauge	●		●			●		●	
Booster Pump	○		○			●		●	
Solid State Relays	●		○			●		-	
3-way valve "anti-fouling system"	○		○			○		●	
Remote Temperature Sensor	○		○			○		○	
Flowmeter	○		○			○		○	
Pseudo-Cascade Control	○		○			○		○	
(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 color	○		○			○		○	
230V/440V/480V - 3Ph. + T - 60Hz	○		○			○		○	

●= Standard ○= Option - = not available

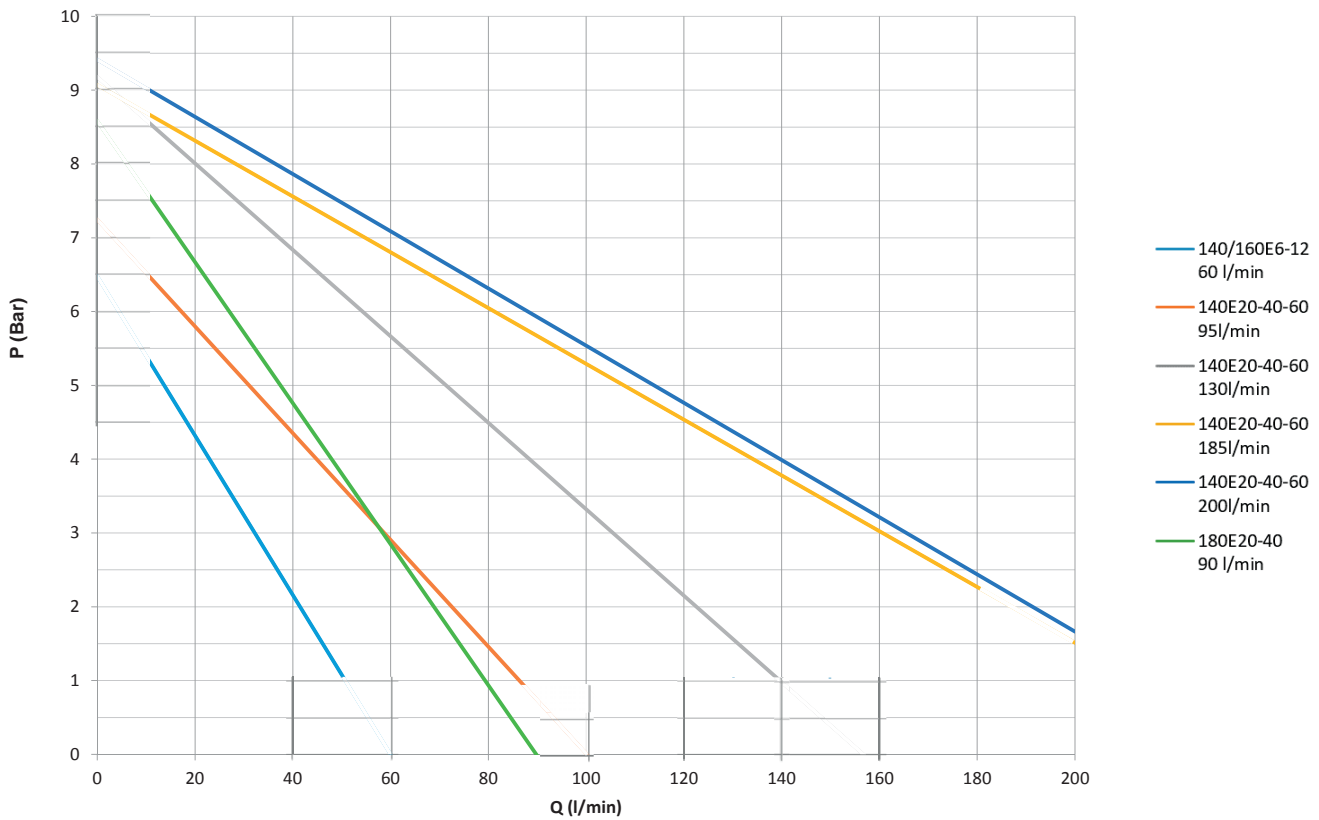




HYDRAULIC CIRCUIT :



PUMP PERFORMANCE :



SISE takes part regularly in training, assistance with start-up, or for existing installations

