

Coolant circuit simulation module

- Simulating of heat sink and heat source, e.g. battery heat loss
- Automatic control of process variables: cooling and heating capacity, flow temperature, volume flow, system pressure, pressure drop flow
- Operating via master computer and possible integration of IPEmotion
- Integrated PLC system with touch panel
- Available different test circuit volumes



Device	
Supported Coolants Secondary Brine	Depending on customers requirements
Connections Main Brine	Inlet (1") / outlet (1") - outside thread
Connections secondary brine	Inlet (1") / outlet (1") - outside thread
Service connections	3/4" (3 x for flushing, filling and draining)
Dimensions	W2000 mm x H2000 mm x D750 mm (78.75 in x 78.75 in x 29.53 in)
Weight	500 kg (1102 lb)
Type of control	PLC-controlled / touch panel or master computer
Power consumption, typical	Max. 30 kW
Working temperature range	Max. 40 °C (104 °F)
Electrical connections	
Power Supply	1 x 32 A, 400 V AC, 50 Hz
Supply	
Supported coolants	Brine (40 % water/ 60 % glycol)
Flow temperature recooling fluid	-35 ... 6 °C (-31 ... 43 F)
Volume flow recooling fluid	1700 l/h
Compressed air	5 bar < p < 16 bar
Control ranges	
Cooling capacity	0 ... 7.5 kW
Heating capacity	0 ... 18 kW

Temperature range	-27* ... 120 °C (-17* ... 248 F)
Volume flow	300 ... 3000 l/h
Pressure drop flow	0 ... 4.5 bar
System pressure	0 ... 2.5 bar
Note	* depending on flow temperature recooling fluid