

### Module for simulation of automotive cooling-water circuits

- 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



<b>Device</b>	
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)
<b>Electrical connections</b>	
Power supply	1 x 32 A, 400 V AC, 50 Hz
<b>Supply</b>	
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
<b>Control ranges</b>	
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