



### Reliable And Accurate Heating And Cooling Circuits

- Stainless Steel heaters / tanks
- Insulated water tanks
- Safety thermostat
- 24 month warranty
- Speck pumps
- SMS brass solenoid valves (cooling & filling)

There are two families of TCU's available:

Water TCU's from 25°C to 180°C with heating powers from 3 to 72kw.

Oil TCU's up to 300°C with heating powers from 6 to 72 kW.

Working with water offers advantages especially at high temperatures, its performance in heat transfer much better than oil.

Water as a means of temperature control also offers many advantages from an ecological point of view.

Working with oil up to 300°C is necessary when the working temperature must be above 180°C that we offer with water equipment.

Unlike water, oil has much more thermal stability.

**\* Other TCU Model Water and Oil Units available. For more information, please contact [info@hales.com.au](mailto:info@hales.com.au)**

Maximum Temp.		PID control	Process Connections Input/Output			Cooling Connections Input/Output			Voltage (V/Ph/Hz)	
90°		Yes	3/4"			1/2"			400/3/50/PE	
Product Code	Heating Power (Kw)	Cooling Power (Kw)	Tank Capacity (Lt)	Pump Max. Flow Lt/min	Pump Max Pressure (Bar)	Pump Power (Kw)	Dimensions	Weight (Kg)	Solid State Relay Options	Reverse / Vacuum Function
MAR-Smart Basic	3 / 6	40	8	60	3.8	0.5	240 x 450 x 380 h	35	with or without SSR	No
MAR-Smart W	6 / 9	40 / 60 / 80	12	60	3.8 / 5.8	0.5 / 1	285 x 570 x 500 h	35	with or without SSR	Yes
MAR-Smart 2 W	9 / 12 / 18	40 / 60 / 80	20	60 / 70	3.8 / 5.8	0.5 / 1	325 x 610 x 700h	40	SSR included as standard	Yes