



FlowStart

The electrical coolant preheater FlowStart features an integrated pump and a fixed thermostat. It is suited for all industrial applications using smaller engines. During intervals in operation, the heater automatically keeps the engine at the required temperature to enable reliable full power starts at any time.

The FlowStart protects the engine from damage and wear caused by cold starts and ensures optimal operating conditions.

Heating unit	Circulation pump
- Aluminum AS9U3 injected heating unit with impregnation treatment - PA66 protection covers 200 cm (6,6 ft) power cable - Inlet/Outlet: 5/8" (15 mm) hose barb water outlet and inlet	- Glandless circulation pump - Flow rate: 300L/h @ 1m height manometer (1,3 GPM @ 1,5 PSI) - Voltage: 120V to 230V - Frequency: 50 Hz and 60 Hz - IPX7 ingress protection level available
Water temperature control thermostat	Heating element
Fixed thermostat 34-40°C (93-104°F) or 35-50°C (95-122°F), rated 25A, 100.000 cycles	- Low watt density heating element (7,5W / cm², 48W / in² → 1,5kW) - Incoloy 800 protection sheet - Available powers: 500W, 1000W, 1500W, 2000W - Available voltages: 120V or 230V
Safety thermostat	
Security thermostat 110 °C with manual reset, rated 25A, 6.000 cycles	

