

Heat exchanger

One of the components that guarantees system performance is the heat exchanger, which is precisely engineered to match the specific duty requirements.

With a high efficiency and low volume to pressure ratio. The plate and frame heat exchanger ensures reduced inspection requirements whilst being fully maintainable and expandable.

Temperature control

The steam flowrate is modulated to exactly match the heat demand. The control valve is pneumatically or electrically actuated and the system uses a fast response Pt100 temperature sensor and PLC controller for precise control. The system can incorporate an energy monitoring system to measure energy usage.



Control panel

The Spirax EasiHeat™ DHW now features our new innovative control system incorporating SIMS technology, delivering increased monitoring and communications.

A colour touch screen provides ease of use and clear visual access to all system parameters and access to energy data.

Metering

A key component guaranteeing accurate measurement of energy usage, CO² emissions and cost control. The TVA flowmeter is specifically designed for large turndown on steam applications.

Condensate management

Spirax Sarco's range of combined mechanical fluid pump and steam trap units provide the total solution to all stall conditions, by removing condensate under all operating conditions.

Pipework

All pipework is correctly sized for the application and is fabricated using modern welding techniques, approved welders and weld procedures. Flanged products are used where possible for reliability and easy maintenance.

Materials

Steam and condensate pipework	Carbon steel
Steam control valve and condensate pump-trap	SG iron
Secondary pipework, circulation valve and pump	Stainless steel

Pressure and temperature limits

Pipework design	PN16
Maximum saturated steam supply pressure	10 bar a
Maximum secondary pressure	10 bar a
Maximum secondary temperature	105 °C
Maximum gasket temperature	180 °C

Electrics and pneumatics

All control equipment is pre-wired and piped ready for connection to the air supply and power source.

Electrical supply	Power supply	110-240 Vac/50-60 Hz
	Supply fuse	5A (T)
Actuators	Electric	24 Vac/50-60 Hz
	Pneumatic	4 to 6 bar g