

Ancillary Equipment



- ▶ **Blowdown**
- ▶ **Feed Water & Condensate Return**
- ▶ **Water Treatment**

Blowdown Vessels



- ▶ **11 Models: 16 litres - 1260 litres**
- ▶ **Five Year Warranty on Pressure Vessel**
- ▶ **Manufactured to PD5500 & PED**

Blowdown vessels are designed to reduce the pressure of the blowdown discharge from the boiler to atmospheric pressure, and also reduces the blowdown discharge to drain to acceptable temperatures for compliance to water bylaws.



Skid-mounted blowdown vessel

Feed Water & Condensate Return Tanks



Optimal delivery of feed water and collection of condensate is essential to the correct operation of a steam system.

Water level controls, Steam injection System, and Atmospheric De-aerator Heads are optional and can be supplied to complement the system.



Skid-mounted Feed Water and Condensate Return Tank

- ▶ **FS Vertical Tanks**
5 Models: 200 litres - 1500 litres
- ▶ **HT Horizontal Tanks**
3 Models: 2000 litres - 4000 litres
- ▶ **Stainless Steel Construction**
- ▶ **Maintenance and Inspection Access**
- ▶ **HT models available on prefabricated stands**

Water Level Controls

A level control system can be supplied with all Feed Water Tanks, to maintain a predetermined water level and minimum flow rate for water softeners.

Steam Injection System

For systems with little or no condensate return, pre-heating the boiler feed water reduces dissolved oxygen and the possibility of thermal shock.

Water Treatment

The maintenance of high quality water used in a steam boiler is essential. Therefore, it is strongly recommended that a proper water treatment be implemented as part of the design to minimise corrosion and deposition, and prolong the life of the boiler.



Skid-mounted water treatment

► Chemical Dosage

Impurities within the boiler feed water can cause problems with the efficiency of steam boilers and steam systems. It is usually necessary to chemically treat the feed water to remove or modify impurities.

Fulton's Chemical Dosing Sets doses chemicals into either the condensate return/feed water tank or boiler feed water line.



Chemical Dosing Set



Water Sample Cooler

► Water Softener

The most common form of water pre-treatment is water softening. The treated water contains only non-hardness forming sodium salts.

The Fulton Duplex Range of Water Softeners are fully rechargeable and using the two vessel system, supply constant, uninterrupted, treated feed water to the boiler.



Water Softener

► Water Sample Collection

In order to ensure the safe, efficient and economical running of a boiler plant, it is imperative that the boiler water is sampled for analysis at regular intervals.

The Fulton Water Sample Cooler has been designed to facilitate the monitoring of the boiler water to be taken from the boiler in a safe manner.

The Sample Cooler cools the boiler water to an appropriate temperature for safe handling.

Other

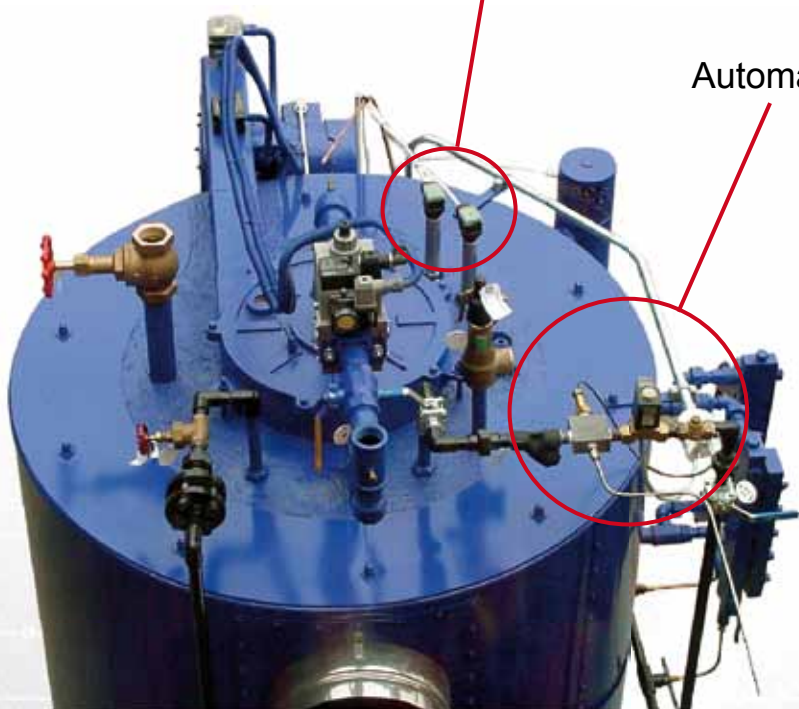
- ▶ Automatic Boiler Blowdown
- ▶ Automatic TDS (Total Dissolved Solids) Blowdown System
- ▶ High Integrity Self Monitoring Controls



Automatic Boiler Blowdown

High Integrity Self Monitoring Controls

Automatic TDS



After Sales Support

In the UK, Fulton engineers provide a nationwide commissioning and after sales service. We strongly recommend that every boiler is commissioned by a Fulton engineer to ensure that the boiler, burner and ancillary equipment are setup to give optimum efficiency and reliability. The commissioning engineer will also instruct the on-site operators in the operation and maintenance of the boiler.

Fulton After Sales can provide annual service contracts covering all aspects of after sales service and inspection.

For boilers sold overseas, Fulton are represented by Approved Distributors who provide the important after sales service. UK based engineers are available to travel worldwide for service support.

For Dimensions and Further Technical Specifications, refer to: T.I. Sheet 119 Blowdown Vessels Dimensions and Specification
T.I. Sheet 120 Feed Water and Condensate Return Tanks Dimensions and Specification