



# Ancillary Equipment

Blowdown Vessels

Feedwater & Condensate Return Tanks

Water Treatment

Improving life through heat transfer solutions

# Feedwater & Condensate Return Tanks

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

Water level controls, Steam injection system, and Atmospheric Deaerator Heads are optional and can be supplied to complement the system.



*Dimensions & Specifications: TI-142-FS-DS*

## FS Vertical Tanks

5 Models: 200 L - 1500 L

## HT Horizontal Tanks

7 Models: 1000 L - 8000 L

Stainless steel construction

Maintenance & inspection access

HT models available on prefabricated stands



*Dimensions & Specifications:  
TI-120-HT-DS*

## Water Level Controls

A level control system can be supplied with all feedwater 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 feedwater 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.



## 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 can supply constant, uninterrupted, treated feedwater to the boiler.



## Chemical Dosage

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

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

## 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.





# Blowdown Vessels

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 by-laws.



Dimensions & Technical Specifications: TI-119-BDV-DS

8 Models: 16 L - 1260 L

H&SE-PM60 & BS EN 13445 / PD5500

5 year guarantee as standard on the pressure vessel

## Skid-Mounted

Fulton Ltd offer a complete service for the design, commission, manufacture and assembly of skid-mounted systems and prefabricated packaged plantrooms.



Skid Mounted Ancillaries

## Other

Automatic Boiler Blowdown

Automatic TDS (total dissolved solids)

High Integrity Self Monitoring Controls



### After-sales Support

Fulton provide excellent after-sales support which can include commissioning, spares supply, repair and emergency response, boiler upgrades, maintenance and annual service contracts.

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