

Automatic Electric Steam Boiler Range 18kW - 300kW



- ▶ **E.F.S. (Electric Flash Steam)**
- ▶ **Europack**
- ▶ **Electropack**

E.F.S.



The Fulton E.F.S. (Electric Flash Steam) is a fully automatic, self-contained steam boiler which incorporates an integrated feed water tank and feed water pump.

The E.F.S. is specifically designed for applications requiring a short duration, high demand, steam supply, such as steam sterilisation processes.

Optional Ancillary Equipment Available:

- ▶ Blowdown vessel
- ▶ Water treatment
- ▶ Skid-mounted version



Inside the E.F.S.

The diagram below illustrates a typical Porous Load Autoclave cycle where flash steam is released during peak load, and where the boiler steam pressure is restored or partially restored, during the cycle.

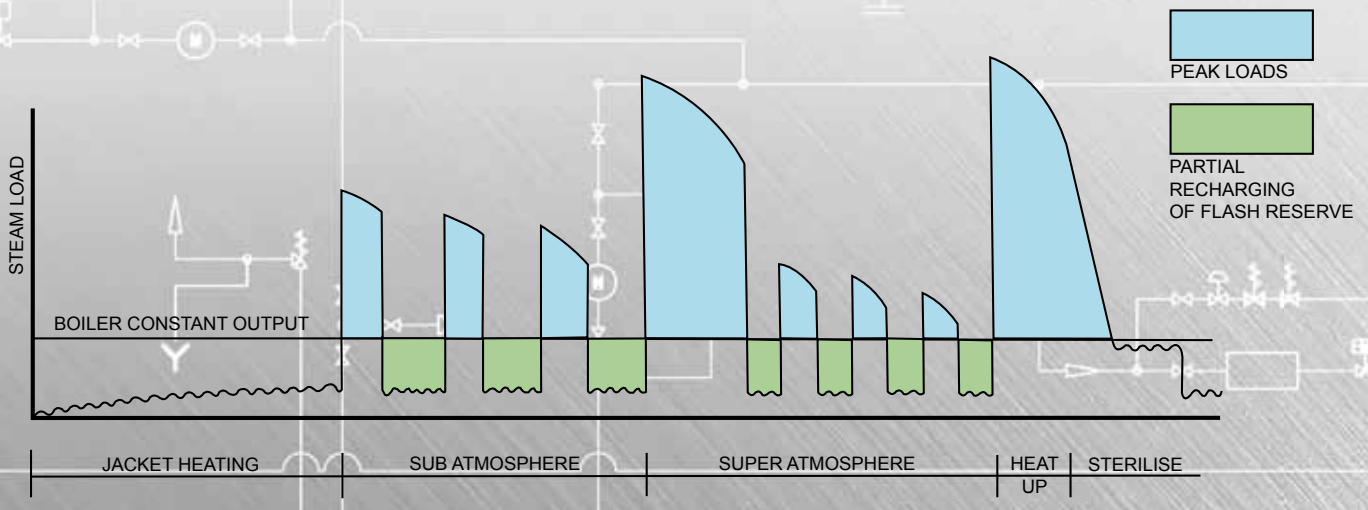
Typically Fulton E.F.S. Boilers are used to service porous load Autoclaves as follows:

- * 9 ft³ (2.74m³) Autoclave = 24kW E.F.S.
- * 14 ft³ (4.27m³) Autoclave = 48kW E.F.S.
- * 21 ft³ (6.40m³) Autoclave = 48kW E.F.S.
- * 28 ft³ (8.53m³) Autoclave = 60kW E.F.S.

* These figures may vary with the Autoclave Application/Manufacture and cycle.

The recovery time to full working pressure at the end of the Autoclave cycle depends upon the kW rating of the E.F.S. boiler and the proportion of flash steam restored during the dwell parts of the cycle.

- ▶ **4 Models: 24kW - 70kW**
- ▶ **37 kg/h - 109 kg/h (F & A 100°C)**
- ▶ **Operating Pressure 10.34 barg**
- ▶ **Integrated Feed Water Tank**
- ▶ **Integrated Feed Water Pump**
- ▶ **Long Life 'Incoloy' Elements**
- ▶ **Five Year Warranty on Pressure Vessel**



Electropack



The Fulton Electropack is self-contained, compact, and designed for ease of use. It is one of the most flexible and mobile boilers in Fulton's range.

Models EP18-EP72 have an integrated feed water tank and feed water pump, all in one compact unit. The EP100 model is supplied with a separate feed water tank.

The Electropack will fit through a standard door opening, allowing it to be used in office and laboratory environments.



Control panel

Optional Ancillary Equipment Available:

- ▶ Blowdown vessel
- ▶ Water treatment
- ▶ Skid-mounted version

- ▶ **7 Models: 18kW - 100kW**
- ▶ **27.5 kg/h - 153 kg/h (F & A 100°C)**
- ▶ **Operating Pressure 6.9 barg & 10.34 barg**
- ▶ **Integrated Feed Water Tank (EP18-EP72)**
- ▶ **Integrated Feed Water Pump**
- ▶ **Removable Panels for Easy Servicing**
- ▶ **Long Life 'Incoloy' Elements**
- ▶ **Splash Proof Electrical Enclosure and Switches**
- ▶ **Five Year Warranty on Pressure Vessel**



Inside the Electropack

Europack



The Fulton Europack Electric Steam Boiler is a highly efficient unit designed to meet the requirements of the mid-range demand steam user.

Optional Ancillary Equipment Available:

- ▶ Blowdown vessel
- ▶ Feed water tank
- ▶ Water treatment
- ▶ Skid-mounted version



Skid-mounted Europack

Fulton can supply all electric steam boilers as a factory built skid-mounted package where the boiler, feed water tank, blowdown vessel and water treatment are incorporated onto a skid with all interconnecting mechanical and electrical services.

- ▶ **4 Models: 150kW - 300kW**
- ▶ **230 kg/h - 480 kg/h (F&A 100°C)**
- ▶ **Operating Pressure 10.34 barg**
- ▶ **Multi-Element:**
Allows the boiler to perform better with the challenge of fluctuating steam demand.
- ▶ **Five Year Warranty on Pressure Vessel**



Control Facia



Inside the Europack

Site and System Requirements

The boiler must be positioned on a load bearing level floor in a well ventilated and dry location. Access must be left around the boiler for service and maintenance purposes.

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 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.

Warranty

The pressure vessel has a 5 year warranty.



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