Fulton®

FBZ™

Electric Steam Boiler

90 – 2000 kW

- Zero Scope-1 Emissions
- High Steam Quality
- Intuitive Touchscreen Control

ALL MODELS:
315 - 7,000 lb/hr Output F&A 212°F
ASME Section I and IV Designs

ZERO EMISSIONS CO_2 SCOPE 1

DEFINING THE NEW STANDARD FOR ELECTRIC BOILERS

FBZ boilers are designed to meet sustainability demands with industry-leading features as standard. By eliminating the use of fossil fuels and combustion processes, these boilers provide a clean and green alternative for a variety of industrial and commercial applications.

Standard Features

- ✓ Incolloy 800 sheathed elements
- ✓ 100kA SCCR Rating*
- ✓ ASME Section I or IV
- ✓ cULus-834
- ✓ CSD-1
- ✓ SCR
- ✓ Modbus ready; BACnet capable

*With appropriate fused disconnects installed upstream of unit

INTUITIVE ADVANCED TOUCHSCREEN

- **5.7” Color Touchscreen**
- **Dedicated BMS Modbus**
  - *Other Integration Options Available*
- **Standard I/O**
  - *Dedicated Outputs for Element Staging*
  - *Individual Input Monitoring for Safety Devices with Alarm Annunciation*

RUGGED DESIGN, LONGER LIFE

The Fulton FBZ comes fully packaged and factory tested. The boiler features a rugged design with a fully-insulated pressure vessel for minimal jacket losses. A carefully calculated heat-to-water ratio achieves operating pressures quickly and with nearly 100% efficiency.

A Advanced Controls

Touchscreen provides access to element staging data and full BMS integration.

B High Quality Steam

Large water volume and tall steam space combine to provide high quality dry steam over a wide range of operating conditions.

C Durable & Long Lasting

Thick-walled pressure vessel exceeds ASME minimum requirements.

D Ease of Use & Maintenance

User friendly control interface and horizontal element bundles are easily accessibly.

10 YEAR
PRESSURE VESSEL WARRANTY

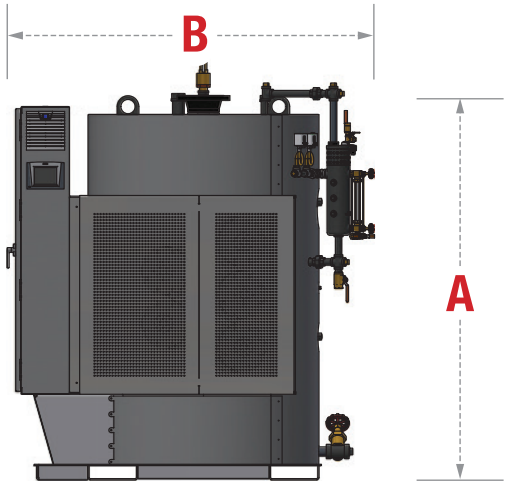
2 YEAR
ELEMENT BUNDLE WARRANTY

1 YEAR
PARTS WARRANTY

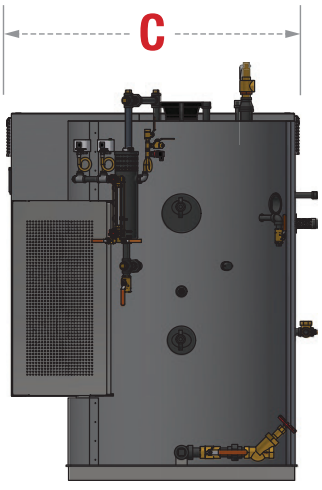
SPECIFICATIONS & DIMENSIONS

MODEL		FBZ-0090	FBZ-0150	FBZ-0210	FBZ-0270	FBZ-0400	FBZ-0500	FBZ-0600	FBZ-0700	FBZ-0800	FBZ-1000	FBZ-1300	FBZ-1500	FBZ-2000
SPECIFICATIONS														
Unit Size	kW	90	150	210	270	400	500	600	700	800	1,000	1,300	1,500	2,000
Steam Output	LBS/HR	315	525	735	945	1,400	1,750	2,100	2,450	2,800	3,500	4,550	5,250	7,000
Water Capacity	GAL	93	93	93	93	335	335	395	395	395	628	628	628	628
DIMENSIONS														
(A) Height w/o Trim	IN	75.875	75.875	75.875	75.875	83.75	83.75	97.5	97.5	97.5	97.75	97.75	97.75	97.75
(B) Width	IN	56.75	56.75	56.75	56.75	76.625	76.625	74.50	74.50	74.50	91.75	91.75	91.75	91.75
(C) Depth	IN	43.75	43.75	43.75	43.75	65.75	65.75	65.625	65.625	65.625	84.5	84.5	118	145.75
WEIGHTS														
Shipping Weight	LBS	1,500	1,500	1,500	1,500	4,300	4,300	4,500	4,500	4,500	8,580	8,580	8,580	9,780
Operating Weight	LBS	2,125	2,125	2,125	2,125	6,800	6,800	7,640	7,640	7,640	13,500	13,500	13,500	14,700
CLEARANCES														
(D) Element Pull Clearance	IN	36	36	36	36	47	47	46	46	46	42.375	42.375	42.375	42.375
ELECTRICAL (FLA)														
208/60/3	AMPS	255	421	588	754	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
240/60/3	AMPS	220	364	508	653	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
480/60/3	AMPS	110	182	254	326	483	603	723	844	964	1,204	1,565	1,814	2,418
600/60/3	AMPS	88	146	203	261	386	482	579	675	771	964	1,252	1,451	1,935

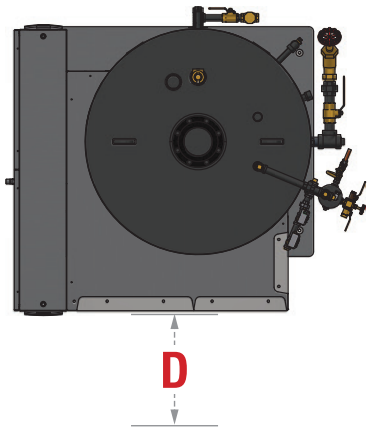
NOTE: *Specifications and dimensions are approximate and for reference only. Fulton practices continuous product improvement and reserves the right to change specifications and/or dimensions without notice.*



FRONT VIEW



SIDE VIEW



TOP VIEW

Fulton®

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Drawings & documentation available online