



COMMERCIAL WATER BOILER

JF WATER CAST IRON

COMMERCIAL GAS-FIRED WATER BOILER



JF Commercial Bases are pre-assembled at the factory with burner manifold, burner orifices, gas valves and electronic ignition installed; ready for field installation of the pre-tested sections and appropriate packages.

Plug 'N Play Harness and Junction Box

Individual base and junction box controls are designed for easy installation.

The entire boiler links together in a snap with a factory supplied color-coded wiring harness.

CSD1 Option

Available with a CSD-1 option to comply with CSD-1 standards where required by building code. The CSD-1 option provides the increased number of controls and safety devices required to meet CSD-1 standards.

JF FEATURES

Electronic Ignition Base Standard Equipment

- Base
- Fire Door
- Burner Orifice
- Manifold
- Main and Pilot Burner
- Electronic Pilot Gas Valve
- Intermittent Pilot Module
- Complete Jacket Assembly

Water Trim Package

- Low Water Cut-Off
- Relief Valve
- Pressure Temperature Gauge
- Drain Valve



There are some things you can always depend on...



www.utica boilers.com
PN 240009441 Rev. [10/16/24]

PRODUCT SPECIFICATIONS

JF Water Boiler



RATINGS

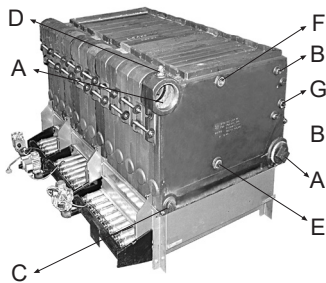
AHRI CERTIFIED RATINGS

DIMENSIONS

MODEL	Input MBH ⁽¹⁾	Gross Output MBH ⁽¹⁾	Water MBH ⁽²⁾	Thermal Efficiency	Base Size & Flue Outlet			Chimney Size ⁽³⁾ I.D. x Ht.	Flue Collector Size to Chimney	Horsepower Gross Output ⁽⁴⁾
					300 8"	400 10"	500 12"			
JF-400W	360	288	250	80%	0	1	0	10" x 20'	10	8.49
JF-500W	450	360	313	80%	0	0	1	12" x 20'	12	10.61
JF-600W	540	432	376	80%	2	0	0	12" x 20'	12	12.73
JF-700W	630	504	438	80%	1	1	0	12" x 20'	12	14.86
JF-800W	720	576	501	80%	0	2	0	14" x 20'	14	16.98
JF-900W	810	648	563	80%	0	1	1	14" x 20'	14	19.10
JF-1000W	900	720	626	80%	0	0	2	14" x 20'	14	21.22
JF-1100W	990	792	689	80%	1	2	0	16" x 20'	16	23.35
JF-1200W	1080	864	751	80%	0	3	0	16" x 20'	16	25.47
JF-1300W	1170	936	814	80%	1	0	2	16" x 20'	16	27.59
JF-1400W	1260	1008	877	80%	0	1	2	18" x 20'	18	29.71
JF-1500W	1350	1080	939	80%	0	0	3	18" x 20'	18	31.84

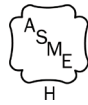
1. Ratings are at sea level to 2,000 feet. For altitudes above 2,000 feet, reduce all ratings 4% for each 1,000 feet above sea level.
2. Net water ratings based on piping and pickup allowance of 1.15. Contact Technical Support before selecting boiler for installations having unusual piping and pick-up factors, such as intermittent system operations, extensive piping systems, etc.
3. Chimney sizes shown are one option based on a typical venting system as shown in Figure 6 of the Installation Manual, and sized according to the National Fuel Gas Code, assuming Type B double wall vent and vent connectors, other venting system designs are acceptable as shown on Flue Connection and Venting section of the installation manual. For further chimney design and sizing information, consult the National Fuel Gas Code, ANSI Z223.1/NFPA 54-latest revision, or ASHRAE HVAC Systems and Equipment Handbook, Chimney, Gas Vent, and Fireplace Systems, or the Standard for Chimneys, Fireplaces, Vents, and Solid Fuel Burning Appliances. NFPA 211. Follow standard engineering practice.
4. Ratings based on 33,500 Btuh per horsepower.

RIGHT & LEFT END TAPPINGS



A: Supply & Return	4"
B: Plugged	1/2"
C: Drain (Left & Right End)	3/4"
D: Limit Control	1/2"
E: Accessories	1"
*F: Safety Valve	1"
G: Plugged	3/4"

**If opening F is to be used for something other than the Safety Valve or Pressure Relief Valve, or the Safety/Relief Valve is larger than 1", the Safety/Relief Valve must be installed in the Header Piping as near to the boiler as possible.*



ECR international

ECR International, Inc. 2260 Dwyer Avenue, Utica, NY 13501
Tel. 800 253 7900
www.ecrinternational.com



All specifications subject to change without notice.
©2024 ECR International, Inc.
PN 240009441 Rev. [10/16/24]