



JD Water

There Are Some Things You Can Always Depend On...



JD Water

Commercial Gas Fired Hot Water Boiler

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

JD Series Boiler 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 with Plug 'n Play harnesses. The entire boiler links together in a "snap". A color-coded factory supplied harness eliminates wiring errors.

Modular Efficiency

Most commercial boilers are either "all-on" or "all-off". The JD boiler when used in conjunction with the optional Argo AMB Control Kit will stage fire the individual bases. Depending on model, capacities as low as 11% of full load can be obtained for optimal performance. The optional AMB Control Kit adjusts the water temperature for increased fuel economy. The control balances section run time for increased reliability. The modular base design allows for built in back-up to reduce "no heat" situations.

CSD1 Option

JD boilers are available with a CSD1 option to comply with CSD1 standards where required by building code. The CSD1 option provides the increased number of controls and safety devices required to meet CSD1 standards.

Water Trim Package:

- Limit Control
(two required on units 2,500,000 BTU and larger)
- Pressure Temperature Gauge
- Relief Valve
- Drain Valve



Utica JD Commercial Gas-Fired Hot Water Boiler

Model	Input (Mbh) ⁽¹⁾	Gross Output (Mbh)	Net AHRI Ratings Water (Mbh) ⁽²⁾	Base Size & Flue Outlet			Chimney Size ⁽⁴⁾ I.D. x Ht.	Vent Connector Size to Chimney ⁽⁴⁾	Therm. Eff.	Comb Eff	Pressure Drop Thru Water Boiler	
				300 (8")	400 (10")	500 (12")					GPM	In. Water
JD-300	300	240	209	1	0	0	8" x 20'	8	77.5	80.4	18.9	0.10
JD-400	400	320	278	0	1	0	10" x 20'	10	77.5	80.5	37.8	0.50
JD-500	500	400	348	0	0	1	12" x 20'	12	77.5	80.5	25.2	0.27
JD-600	600	480	417	2	0	0	12" x 20'	12	77.5	80.4	50.4	0.86
JD-700	700	560	487	1	1	0	12" x 20'	12	77.5	80.5	31.5	0.40
JD-800	800	640	557	0	2	0	14" x 20'	14	77.5	80.5	63.0	1.20
JD-900	900	720	626	0	1	1	14" x 20'	14	77.5	80.5	37.8	0.50
JD-1000	1000	800	696	0	0	2	14" x 20'	14	77.5	80.5	75.6	1.70
JD-1100	1100	880	765	1	2	0	16" x 20'	16	77.5	80.5	44.1	0.70
JD-1200	1200	960	835	0	3	0	16" x 20'	16	77.5	80.5	88.2	2.50
JD-1300	1300	1040	904	1	0	2	16" x 20'	16	77.5	80.5	50.4	0.88
JD-1400	1400	1120	974	0	1	2	18" x 20'	18	77.5	80.5	100.8	2.90
JD-1500	1500	1200	1043	0	0	3	18" x 20'	18	77.5	80.5	56.7	1.10
JD-1600	1600	1280	1113	0	4	0	18" x 20'	18	77.5	80.5	113.4	3.80
JD-1700	1700	1360	1183	1	1	2	18" x 20'	18	77.5	80.5	63.0	1.30
JD-1800	1800	1440	1252	0	2	2	20" x 20'	20	77.5	80.5	126.0	4.00
JD-1900	1900	1520	1322	0	1	3	20" x 20'	20	77.5	80.5	69.3	1.50
JD-2000	2000	1600	1391	0	0	4	20" x 20'	20	77.5	80.5	138.6	5.00
JD-2100	2100	1680	1461	2	0	3	20" x 20'	20	77.5	80.5	75.6	1.80
JD-2200	2200	1760	1530	0	3	2	22" x 20'	22	77.5	80.5	151.2	6.00
JD-2300	2300	1840	1600	0	2	3	22" x 20'	22	77.5	80.5	81.9	2.00
JD-2400	2400	1920	1670	0	1	4	22" x 20'	22	77.5	80.5	163.8	5.60
JD-2500	2500	2000	1739	0	0	5	22" x 20'	22	77.5	80.5	88.2	2.40
JD-2600	2600	2080	1809	2	0	4	22" x 20'	22	77.5	80.5	176.4	7.00
JD-2700	2700	2160	1878	1	1	4	24" x 20'	24	77.5	80.5	94.5	2.60
JD-2800	2800	2240	1948	0	2	4	24" x 20'	24	77.5	80.5	189.0	8.30
JD-2900	2900	2320	2017	0	1	5	24" x 20'	24	77.5	80.5	100.8	2.80
JD-3000	3000	2400	2087	0	0	6	24" x 20'	24	77.5	80.5	201.0	9.60

Right & Left End Tappings Data

Opening	Size	Water
A	4"	Supply and Return
B	1/2"	Plugged
C	3/4"	Drain, Left End
D	3/4"	Drain, Right End
E	1/2"	Limit Control
F	1"	Accessories
G	1"	Relief Valve
H	3/4"	Plugged

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 AHRI water ratings based on a 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. Pressure drop based on given flow from single outlet and returning to single inlet at the opposite end of the boiler.
4. 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.

Certifications



*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.

All ratings and specifications subject to change.

PN 240009441 Rev. 10/12

Contractor Assistance: 800.325.5479



P.O. Box 4729
Utica, New York 13504
tel: 315.797.1310 • fax: 315.797.3762
www.uticaboilers.com

