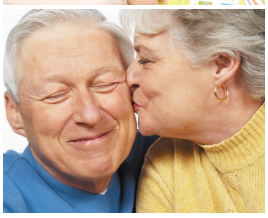
PENNCO SILVER
CAST IRON BOILERS

41K Series

Gas-Fired Steam Modular 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

Steam Trim Package:

- Low Water Cut-Off
- Glass Gauge Set
- Safety Valve
- Steam Gauge
- Pressure Limit
- Drain Valve

41K 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.

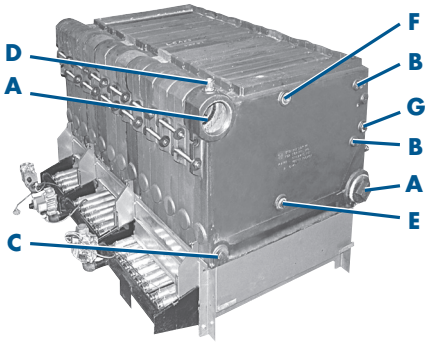


Pennco SILVER makes Simple Comfort, Affordable.

41K Series

Gas-Fired Steam Modular Boiler





* *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 Valve must be installed in the Header Piping as near to the boiler as possible.*

41K Series Right-End and Left-End Tappings Data

OPENING	SIZE	STEAM
A	4"	Supply and Return
B	1/2"	Primary LWCO and Gauge Glass Set
C	3/4"	Drain, Right End
C	3/4"	Drain, Right End
D	1/2"	Plugged
E	1"	Accessories
* F	1"	Safety Valve
G	3/4"	Plugged or Electronic (Probe Type) LWCO

Specifications:

Boiler Model	Input (Mbh) (1)	Gross Output (Mbh)	Net AHRI Ratings			Base Size & Flue Outlet			Chimney Size (4)	Vent Connector Size To Chimney	Thermal Efficiency
			Steam PPF (2)	Steam Sq. Ft. (3)	Steam (Mbh) (2)	300 8 in.	400 10 in.	500 12 in.	I.D. x Ht.		
41K300S	300	233	1.333	729	175	1	0	0	8" x 20'	8	77.0
41K400S	400	310	1.333	971	233	0	1	0	10" x 20'	10	77.0
41K500S	500	388	1.333	1213	291	0	0	1	12" x 20'	12	77.0
41K600S	600	465	1.333	1454	349	2	0	0	12" x 20'	12	77.0
41K700S	700	543	1.333	1696	407	1	1	0	12" x 20'	12	77.0
41K800S	800	620	1.333	1938	465	0	2	0	14" x 20'	14	77.0
41K900S	900	698	1.333	2183	524	0	1	1	14" x 20'	14	77.0
41K1000S	1000	775	1.333	2421	581	0	0	2	14" x 20'	14	77.0
41K1100S	1100	853	1.333	2667	640	1	2	0	16" x 20'	16	77.0
41K1200S	1200	930	1.333	2908	698	0	3	0	16" x 20'	16	77.0
41K1300S	1300	1008	1.333	3150	756	1	0	2	16" x 20'	16	77.0
41K1400S	1400	1085	1.333	3392	814	0	1	2	18" x 20'	18	77.0
41K1500S	1500	1163	1.333	3633	872	0	0	3	18" x 20'	18	77.0

Explanation Notes:

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 steam ratings based on piping and pickup allowance of 1.333 (300-1500). 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. Ratings in square feet are computed at 240 Btuh/square foot for steam boilers.
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.

All ratings and specifications subject to change.

AHRI CERTIFIED® www.ahridirectory.org

PENNCO

ecr

2201 Dwyer Avenue, Utica, New York 13501
Phone: 315-797-1310 • Fax: 866-432-7329
E-mail: info@ecrinternational.com
Web: www.penncoboilers.com

USA Contractor Assistance: 800-325-5479

PN 240009465 REV 6/14