



EMG Series Boilers



Available in Natural Gas & Propane With Coil Boiler

Over 70 years of engineering and product development in Columbia Boilers

Columbia Boiler Company

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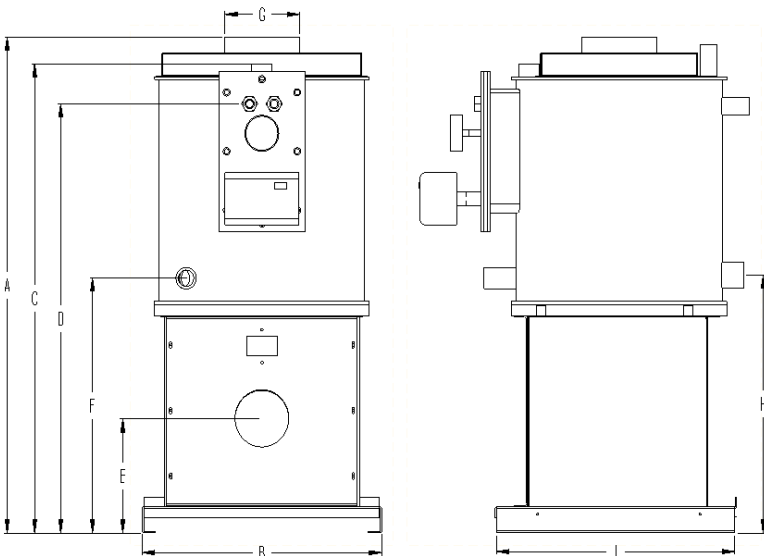


Product Features

- ASME Coded Boiler Registered with National Board
- Factory Mounted / Wired Burner and Controls
- Fully Insulated Heat Exchanger with Powder-Coated Cabinet
- Packaged with Standard Five Gallon per Minute Tankless Coil (Domestic Hot Water)
- Equipped with Triple Aquastat, Circulator, Temperature / Altitude Gauge and Gas Regulator
- Outfitted with Additional Orifices to Achieve a Variety of Heat Inputs
- Provided with a Lifetime Limited Warranty

	EMG-31		EMG-61		EMG-91	
Input (Btu/Hr)*	120,000		140,000		160,000	
IBR Heat Capacity (Btu/Hr)	88,000		101,000		114,000	
Valve Capacity (Lbs/Hr)	160		160		160	
Max Water Pressure (psi)	30		30		30	
Burner Model	Heat Wise SU-2		Heat Wise SU-2		Heat Wise SU-2	
Fuel Type	Nat. Gas	L.P. Gas	Nat. Gas	L.P. Gas	Nat. Gas	L.P. Gas
Orifice Size	15/64	*	1/4	**	19/64	**
Fuel Input Rate (cfm)	1.95	0.79	2.28	0.95	2.60	1.06
Max. Inlet Pressure ("W.C.)	11"	11"	11"	11"	11"	11"
Min. Inlet Pressure ("W.C.)	5"	4.5"	5"	4.5"	5"	4.5"
Manifold Pressure ("W.C.)	3.5"	**	3.5"	**	3.5"	**
Head Position	Factory Set	Factory Set	Factory Set	Factory Set	Factory Set	Factory Set
Air Shutter	2.00	**	2.25	**	4.5	**
Draft Over Fire ("W.C.)	-0.02"	-0.02"	-0.02"	-0.02"	-0.02"	-0.02"
Draft in Stack ("W.C.)	-0.02"	-0.02"	-0.02"	-0.02"	-0.02"	-0.02"
CO ₂ Reading	9.0%	11.0%	9.0%	11.0%	9.0%	11.0%
AFUE	83.8%	**	83.0%	**	82.2%	**

*All units shipped from the factory are set up with a 15/64 orifice for a heating input of 120,000 BTU/HR.



Boiler Dimensions	
Water Content	21 Gallon
Coil Capacity	5 GPM
A) Jacket Height	45"
B) Jacket Width	21"
C) Hydronic Supply Height	43"
D) Coil Supply Height	41"
E) Burner Height	8-1/2"
F) Hydronic Return Height	21-1/2"
G) Flue Pipe Diameter	6"
H) Washout	21-1/2"
I) Jacket Depth (Including Flange)	21"
Depth Front to Rear w/ Burner	29-3/4"
Hydronic Supply Size	1-1/4"
Hydronic Return Size	1-1/4"
Washout Size	1-1/4"