

86% Efficient!

MegaSteam™

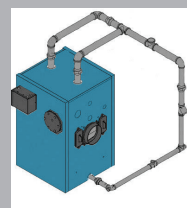
**Oil Fired, Chimney Vented,
Cast Iron Steam Boiler**

**The Only 86% AFUE
3-pass Steam Boiler!**

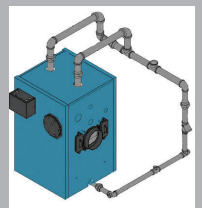
- Unique 3-pass cast iron sectional design
- Six sizes available, 0.75-2.4 GPH, 288-892 sq. ft. of steam
- Very stable waterline, high corrosion resistance
- Superior steam quality – 99% dry!
- Easy installation and servicing; Reversible swing away burner door, no target wall/blanket, removable rear plates provide direct access to flue passages
- **Unmatched steam boiler warranty** – 10 year limited warranty on heat exchanger, 5 year limited warranty against waterside corrosion
- Tankless heater available

Available With **EXCLUSIVE** Near Boiler Piping Kit

- Perfect piping EVERY TIME!
- Pre-cut, pre-threaded nipples
- All fittings and nipples included
- Left or right supply, standard or dropped header (10”), all from same kit
- Makes drier steam with a more stable waterline
- Saves installation time, no need to carry and/or use a pipe threading machine
- Includes Hartford loops with “Y” fittings for condensate return
- Works exclusively with MegaSteam boilers



Standard Header



Dropped Header

U.S. Boiler Company

MegaSteam: Technical Information



Standard Equipment

- 3-pass cast iron section assembly, 50-psi MAWP (maximum allowable working pressure)
- Deluxe, powder coated, removable jacket
- 3" jacket insulation
- Cast iron reversible swing door
- Vacuum formed burner door insulation
- Boiler drain valve
- Barometric draft regulator
- Safety valve
- Beckett AFG flange mounted oil burner w/easy connect power cord (Riello optional)
- Steam gauge
- L4006A (ST & SL models only)
- Gauge glass set
- Removable stainless steel flueway baffles
- Removable cast iron canopy covers
- Junction box w/ plug-in accessor connections
- Mounted spanner bar w/ adjustable legs
- Pressure limit
- LWCO - Hydrolevel CG450
- 222B Tankless heater (ST model only)

Accessories:

- Near-boiler piping kit for MST 288, 396, & 513 (PN: 101433-01)
- Near-boiler piping kit for MST 629, 758, & 892 (PN: 101433-02)

MegaSteam Ratings & Specifications

Model	Burner Cap. (GPH) ¹	DOE Heating Cap. (MBH) ²	Net AHRI (MBH)	Net AHRI (sq. ft.) ³	AFUE	Flue Collar Diameter (In.) ⁴	Approx. Shipping Weight. (lbs.)
MST288	0.75	92	69	288	86%	6	607
MST396	1.05	127	95	396	86%	6	607
MST513	1.35	164	123	513	86%	6	744
MST629	1.65	201	151	629	86%	7	881
MST758	2.00	242	182	758	85%	7	881
MST892	2.40	285 ⁵	214	892	85% ⁶	7	1,018

Notes: Maximum Working Pressure: 15 PSI Steam

1. Burner Capacity is based on oil having Higher Heating Value of 140,000 BTU/Gal.

2. DOE Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) are based on US Government tests at 13.0% CO₂ with No. 1 maximum smoke and 0.00" draft in the breach on standard equipment package.

3. Net AHRI Ratings are based upon pick-up allowance of 1.333. Consult manufacturer with unusual piping and pickup requirements before selecting boiler.

4. Used for sizing flue connection materials.

5. Gross output

6. Thermal efficiency

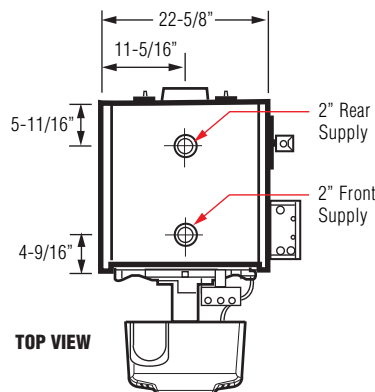
Dimensions (Inches)

OPTIONAL 222B Tankless Heater

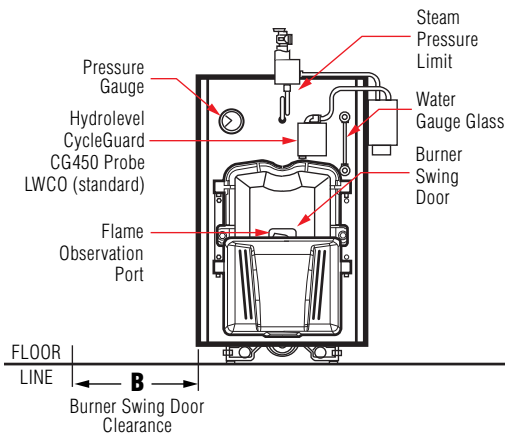
Model	A	B	C	Rating (GPM)	Pressure Drop (PSI)
MST288	22-5/8"	24	6	3.00	22.0
MST396	22-5/8"	24	6	3.25	24.3
MST513	28-5/8"	30	6	3.50	26.5
MST629	34-5/8"	36	7	4.00	31.0
MST758	34-5/8"	36	7	4.25	43.3
MST892	40-5/8"	42	7	4.50	47.6

Notes:

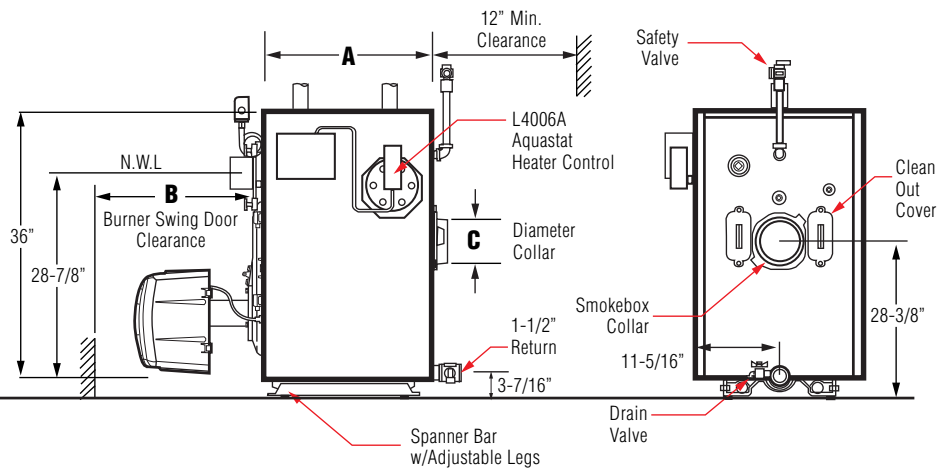
Tankless Heater Rating, GPM is based on 100° F temperature rise with 40° F inlet water (intermittent draw) with boiler water temperature of 190°F.



TOP VIEW



FRONT VIEW



SIDE VIEW

REAR VIEW

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