

MEGAHEAT

ENERGY EFFICIENT HOT WATER SOLUTIONS



CUSTOM STEAM SOLUTIONS INC.

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 Proudly Made in Canada

MEGA Heat



INSTANTANEOUS HOT WATER SOLUTIONS

In a world of optimization and accurate control, On Demand Instantaneous hot water requirement is a must have for all your hot water needs. We, at Custom Steam Solutions, realize your needs and energy goals and offer a robust long lasting solution for steam to hot water heaters. Our solutions is a well thought through design with years of on site experience. The complete stainless steel design, latest PID controls with performance monitoring and proven control equipment makes the solution truly designed for the future.

TYPICAL APPLICATIONS



Most common applications for your energy saving beginning

- Domestic hot water for facilities
- Hot water for space heating
- Hot water for industrial process
- Hot water for tank jacket heating
- Hot water for laundry/wash down
- Kitchen hot water needs

Our goal is to help you achieve your hot water needs with the purpose of guaranteed energy savings, accurate temperature control, High Level of Safety and a long lasting solution.

ADVANTAGES OF MEGAHEAT

- Complete stainless steel construction of shell and tube for long life
- Vertical design for quick drop down for maintenance and reduced footprint
- Dual safety for temperature overshoot
- Data logging and trending for temperature and BTU efficiency monitoring
- Steam in Tube and constant high temperature recirculation for legionella control
- Low scale design and fouling detection with backwash capabilities for long tube life
- Instantaneous on demand hot water supply with accurate temperature control



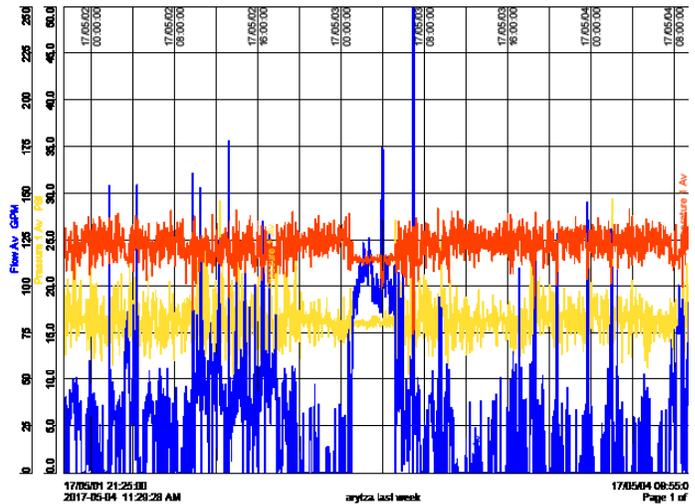
CAPACITY CHART

Steam Pressure before Control Valve	15 Psig	60 Psig	120 Psig
Steam Pressure in bundle Single Wall	10 Psig	45 Psig	75 Psig
Flowrate 40 - 140 Deg. F	USGPM	USGPM	USGPM
SS-06VLC	15	25	30
SS-06VHC	25	40	50
SS-08VLC	40	60	88
SS-08VHC	55	80	110
SS-10VLC	80	120	160
SS-10VHC	105	160	185

NOTES:

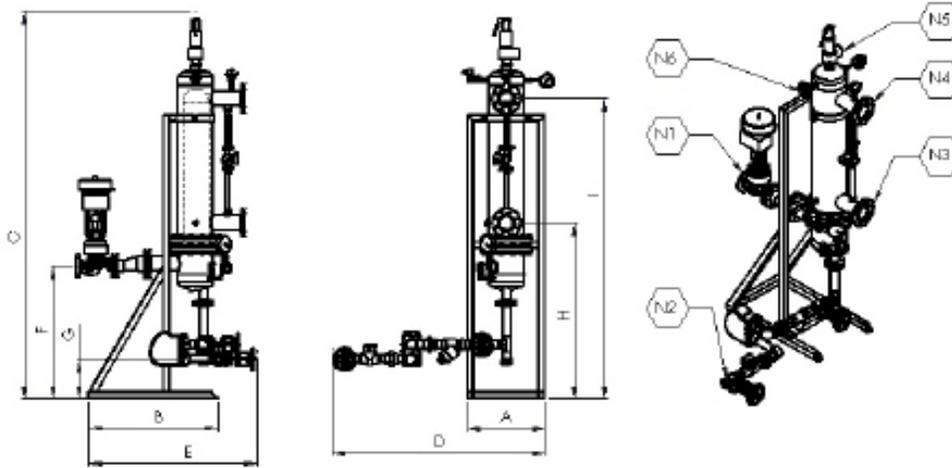
- 316 stainless steel bundle
- Copper nickel available upon request
- Higher pressure temperature models available
- Larger flow rates available
- Double wall heat exchanger available

Double standards for all connections	ASME B16.5 & B16.11
Design Code	ASME Section VIII, DIV, I (Note I)
Welding Qualifications	ASME SECTION IX



Typical Hot Water Demand Vs Temperature Control

GENERAL DIMENSIONS



DESIGN SPECIFICATIONS

ANSI CLASS 150	Max Design 200 PSIG at 400° F
Higher pressure temperature rating available	

Materials	Shell	Tube
Stainless Steel	SA 312-304/304L	SS-316 18 gauge
Carbon steel shell & copper nickel tubes available		

Wt (lbs)	Model	A	B	C	D	E	F	G	H	I	N1	N2	N3	N4	N5	N6
1800	MH-06	18	40	120	58	45	41 7/16	14 3/8	54 7/16	92 15/16	2	1 1/2	2	2	2	3/4
2200	MH-08	18	40	120	66	50	41 3/16	12 5/8	54 7/16	92 15/16	3	2	3	3	2 1/2	3/4
2400	MH-10	24	40	120	66	52	41 1/8	12 1/16	54 7/16	92 15/16	4	2	4	4	2 1/2	3/4

*All dimensions measured in Inches.

Call us for a free inspection of your hot water system!



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