Typical Specifications For:
MicoFlame II Domestic Hot Water Supply
Models MFW 800, Through MFW 2000

The domestic hot water boiler shall be a CAMUS MicoFlame model _____ having an input rating of _____ Btu (kw) /hr. and having a recovery capacity of _____ gph (lph) at 100^0F (56^0C) for DHW.

The domestic hot water boiler shall be design/certified by CSA International and shall meet the requirements of ANSI Z21.10 & CSA 4.3. The heater shall be optionally vented as a Category I conventional appliance or a Category III appliance.

Combustion Chamber:
The combustion chamber shall be fully enclosed by high temperature fiberboard refractory, which is of modular interlocking construction for ease of replacement.

Burner:
The burner shall be constructed of high heat resistant ceramic tile supported by steel casing. The burner shall provide equal distribution of heat through the entire heat exchanger.

Heat Exchanger:
The heat exchanger shall be suitable for a M.A.W.P. of 160 psig (1100 kPa) and shall be of a two pass design employing integrally finned 7/8" copper tubes. All castings shall be bronze. A pressure relief valve of _____ lb/hr shall be furnished with the heater. There shall be ready access to the heat exchanger to permit internal and external inspection and cleaning of the tubes.

Controls:
Standard SmartFlame 780014 combination limit/operator control accurate to 1^0F (0.5^0C). The control shall also provide readouts of boiler target, differential and inlet/outlet temperatures as well as accumulated runtime. On/off switch, and full diagnostic light package shall be provided. The complete control package shall be mounted on the front panel with hinged door for easy access to all control modules. A flow switch shall be provided loose. The control shall have 6 preset modes to allow operation of the heater as hydronic heating with outdoor reset, DHW or remote enable.

Firing Mode:
The heater shall operate as on/off or optionally two-stage (All Models), three-stage (Models 1200 to 2000) or four-stage (Models 1200 to 2000).

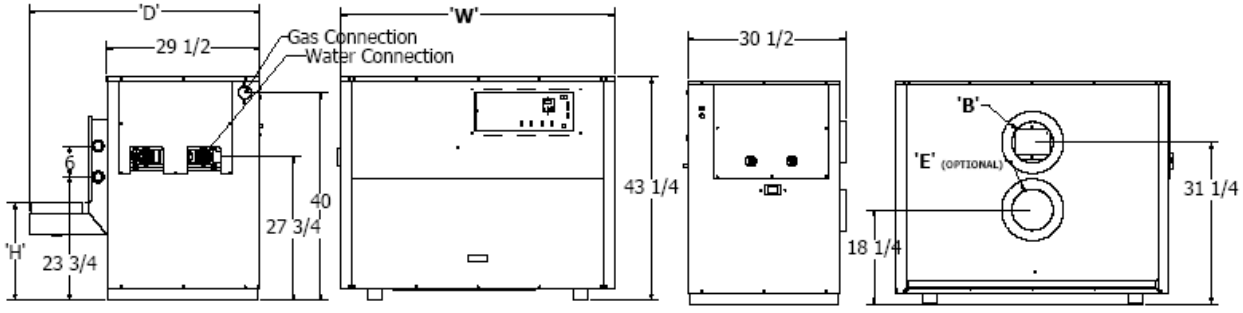
Gas Train:
The gas train shall consist of a combination control incorporating a main manual gas valve, dual main valve seats, a pilot valve and pilot regulator.

Ignition Module:
The ignition module shall provide for intermittent ignition and continuous retrial. Trial for ignition shall be 15 seconds with 5 minutes between retrials.

External Jacket and Fasteners:
The external jacket shall be of stainless and enameled steel panels assembled with crimptite non-strip self tap screws.

SUBMITTAL DATA SHEET – MICOFLAME II

Engineer: _____ | Job Location: _____ | Date: _____
Prepared by: _____ | Buyer's Name: _____ | Quote #: _____
Job Name: _____ | Buyer's Address: _____



Side View (Left) Condensing Option | Front View | Side View (Right) Non-Condensing Option | Rear View Non-Condensing Option

Dimensional and Specifications

Model	'W'	D'	H'	Water Connection	Gas Connection	'B' Dia. Venting: Outdoor	'B' Dia. Venting: Sidewall or Condensing	'B' Dia. Venting: Standard	'E' Dia. Air Inlet
MFNW800	45¾	44½	18¾	2½	1	8	8	10	8
MFNW1000	52¾	44½	18¾	2½	1¼	8	8	10	8
MFNW1200	62	44½	23¼	2½	1¼	10	10	12	10
MFNW1400	71¼	46½	23¼	2½	1¼	10	10	12	10
MFNW1600	80¾	46½	23¼	2½	1½	12	12	14	12
MFNW1800	89¾	46½	23¼	2½	1½	12	12	14	12
MFNW2000	99	46½	23¼	2½	1½	12	12	14	12

Model	Input BTUH	Output BTUH Non Condensing	Output BTUH Condensing	Input kW	Output kW Non Condensing	Output kW Condensing	Approx. Weight LBS. Non Condensing	Approx. Weight LBS. Condensing
MFNW800	800,000	680,000	760,000	234.2	199.1	222.5	500.0	580.0
MFNW1000	1,000,000	850,000	950,000	292.8	248.9	278.2	610.0	690.0
MFNW1200	1,200,000	1,020,000	1,140,000	351.4	298.7	333.8	732.0	828.0
MFNW1400	1,400,000	1,190,000	1,330,000	409.9	348.4	389.4	854.0	966.0
MFNW1600	1,600,000	1,360,000	1,520,000	468.5	398.2	445.1	976.0	1,104.0
MFNW1800	1,800,000	1,530,000	1,710,000	527.0	448.0	500.7	1,098.0	1,242.0
MFNW2000	2,000,000	1,700,000	1,900,000	585.6	497.8	556.3	1,220.0	1,380.0

Head Loss and Flow Vs Temperature Rise

Model	20 °F		30 °F		35 °F	
	USGPM	ΔP ft.	USGPM	ΔP ft.	USGPM	ΔP ft.
MFNW800	66.6	2.8	44.4	1.1	38.0	0.8
MFNW1000	83.3	4.9	55.5	2.00	47.6	1.5
MFNW1200	100.0	6.9	66.7	3.10	57.1	2.4
MFNW1400	*	*	77.8	4.30	66.7	3.4
MFNW1600	*	*	88.9	5.40	76.2	4.0
MFNW1800	*	*	100.0	6.90	85.7	5.1
MFNW2000	*	*	*	*	95.2	6.2

*** Contact Camus for recommendation.**

Recovery Capacity

Model	120°F Rise / GPH	67°C Rise / LPH	100°F Rise / GPH	56°C Rise / LPH	80°F Rise / GPH	44°C Rise / LPH	70°F Rise / GPH	39°C Rise / LPH
MFNW800	664	2513	797	3015	996	3769	1138	4308
MFNW1000	830	3141	996	3769	1245	4711	1422	5385
MFNW1200	996	3769	1195	4523	1494	5654	1707	6461
MFNW1400	1162	4397	1394	5277	1743	6596	1991	7538
MFNW1600	1328	5026	1593	6031	1991	7538	2276	8615
MFNW1800	1494	5654	1792	6785	2240	8481	2560	9692
MFNW2000	1660	6282	1991	7538	2489	9423	2845	10769

Model # _____ # Of Units _____ Type of Gas _____

Total Input _____BTU/hr Flow _____USGPM @ Allowable Pressure Drop _____ft.

Total Output _____BTU/hr Recovery Rate _____USGPH @ _____^{0}F

Optional Accessories _____