



SUBMITTAL DATA SHEET

H2O MAX COMMERCIAL HEAT EXCHANGER

JOB NAME: _____ DATE: _____
 LOCATION: _____
 ENGINEER: _____
 REPRESENTATIVE: _____
 CONTRACTOR: _____
 SUBMITTED TO: _____
 MODEL DESIGNATION: _____



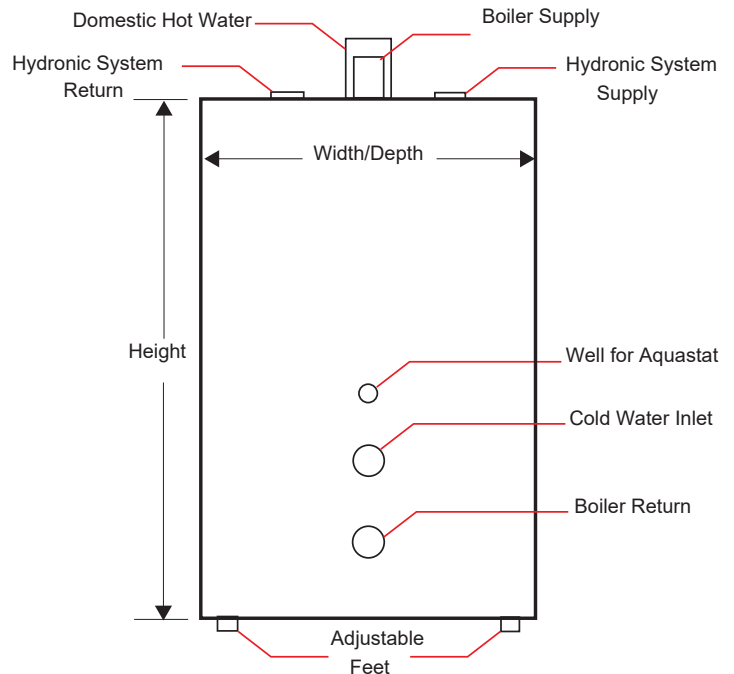
CHECK ONE: _____ REFERENCE (NOT FOR PRODUCTION)
 _____ APPROVED (IMMEDIATE PRODUCTION)
 _____ APPROVED WITH CHANGES NOTED (IMMEDIATE PRODUCTION)

TECHNICAL DATA AND DIMENSIONS

Models	Tank Volume (Gal.)	Heat Transfer Area (Sq. Ft.)	Maximum Design			Water Connections			Overall Dimensions		Shipping Weight (Lbs.)
			Exchanger (MAWP)	Boiler (MAWP)	Temp. (°F)	Cold In/Out	Supply & Return		Height	Width & Depth	
							Boiler	System			
H26	26	21.0	150 Psig	30 Psig	190	1.25"	1.00"	1.25"	42"	19.5"	210
H48	48	26.2	150 Psig	60 Psig	190	1.50"	1.25"	1.25"	45"	24.5"	375
H72	72	26.2	150 Psig	115 Psig	190	1.50"	1.50"	2.00"	49"	26.5"	575
H119	119	47.1	150 Psig	115 Psig	190	2.00"	2.00"	2.00"	60"	30.5"	800

Standard Equipment and Details

- AS36G steel tank (ASME or Non-ASME)
- Powder coated 22 gauge steel jacket
- Insulated to ASHRAE Standard 90.1
- NSF/ANSI 61 compliant copper heat exchanger
- Heat loss of no more than ½°F per hour
- Adjustable feet for leveling / clearances
- Temperature & pressure gauge
- Relief valve
- Drain valve
- Temperature well
- 10-year commercial limited warranty against tank or copper coil bundle assembly failure due to manufacturer defects





SUBMITTAL DATA SHEET

Ratings

Boiler Water Supply: 180°F
Boiler Water Return: 160°F

Cold Water In: 40°F
Hot Water Out: See Below

Tank Models		H26				H48				H72				H119			
Hot Water Out		110°F	120°F	140°F	160°F	110°F	120°F	140°F	160°F	110°F	120°F	140°F	160°F	110°F	120°F	140°F	160°F
Temp. Rise		70°F	80°F	100°F	120°F	70°F	80°F	100°F	120°F	70°F	80°F	100°F	120°F	70°F	80°F	100°F	120°F
Boiler Output (BTU/HR)	Pump Flow (GPM)	CONTINUOUS Maximum Hot Water Produced in U.S. Gallons Per Hour (GPH)															
		150,000	15	258	226	181	151	258	226	181	151	258	226	181	151	258	226
200,000	20	344	301	241	202	344	301	241	202	344	301	241	202	344	301	241	202
250,000	25	429	376	302	—	429	376	302	252	429	376	302	252	429	376	302	252
300,000	30	515	452	362	—	515	452	362	—	515	452	362	302	515	452	362	302
350,000	35	601	527	422	—	601	527	422	—	601	527	422	353	601	527	422	353
400,000	40	687	—	—	—	687	602	483	—	687	602	483	—	687	602	483	403
450,000	45	—	—	—	—	773	678	543	—	773	678	543	—	773	678	543	453
500,000	50	—	—	—	—	859	753	—	—	859	753	—	—	859	753	603	504
550,000	55	—	—	—	—	—	—	—	—	945	828	—	—	945	828	664	554
600,000	60	—	—	—	—	—	—	—	—	1,031	—	—	—	1,031	903	724	—
700,000	70	—	—	—	—	—	—	—	—	—	—	—	—	1,202	1,054	845	—
800,000	80	—	—	—	—	—	—	—	—	—	—	—	—	1,374	1,205	965	—
900,000	90	—	—	—	—	—	—	—	—	—	—	—	—	1,546	1,355	1,086	—
1,000,000	100	—	—	—	—	—	—	—	—	—	—	—	—	1,804	1,581	—	—
1,050,000	105	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Contact Thermal Solutions for Commercial Sizing Guide and ratings at different boiler and/or incoming domestic water temperatures

PRESSURE LOSS

BOILER WATER FLOW (GPM)	PRESSURE LOSS (FEET OF HEAD)			
	H26	H48	H72	H119
10	0.4	0.1	0.1	----
15	1.0	0.3	0.2	----
20	1.7	0.6	0.3	0.1
25	2.7	0.9	0.5	0.2
30	3.9	1.3	0.6	0.3
35	----	1.8	0.9	0.4
40	----	2.3	1.2	0.5
45	----	2.9	1.5	0.6
50	----	3.6	1.9	0.7
55	----	----	2.3	0.8
60	----	----	2.8	1.0
65	----	----	3.3	1.2
70	----	----	----	1.4
80	----	----	----	1.8
90	----	----	----	2.3
100	----	----	----	2.8
110	----	----	----	3.4

