

**CITY OF NEW YORK
DEPARTMENT OF BUILDINGS**

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, F.A.I.A., Commissioner

MEA 50-04-E

Report of Material and Equipment Acceptance Division

Manufacturer– Quincy Hydronic Technology, Inc., 80 Rochester Ave., Suite 12, Portsmouth, New Hampshire 03801.

Trade Name – BIASI, SG Series; BIASI VEGA BIO Series.

Product – Gas or oil fired hot water boilers.

Pertinent Code Section(s) – 27-800, 27-824, 27-886, RS 14-2 (ANSI Z223.1).

Prescribed Test(s) - RS 14-6 (UL 726).

Laboratory – Underwriters Laboratories Inc.

Test Report(s) – MH28676 (CMH2028) dated November 8, 2003.

Description – Positive pressure, cast iron sectional, hot water boiler, fired by natural gas or No. 2. These assemblies are intended for residential or small commercial use with a maximum water temperature and pressure of 250°F and 58 psi respectively. These units use a three pass system. Safety equipment includes oil valve to shut off fuel supply to the boiler if there is a failure to ignite, a temperature control to prevent firing when excessive water temperatures are reached and a relief valve required by ASME Code. SG Series has a larger mass vessel than Vega Series. Units with model number and firing rate, are listed below:

Boiler Model	Heating Capacity MBH	Gross Input Burner Capacity		Net Output NET MBH	Efficiency %	Water Content GALS	Length (L) In.	Weight Lbs.
		GPH	MBH					
SG-2	79	0.65	91.0	69	85.1	6.9	16.7	264
SG-3	123	1.00	140.0	107	86.1	7.7	21.8	341
SG-4	160	1.30	182.0	139	86.5	9.6	26.9	418
SG-5	201	1.60	224.0	175	87.7	11.3	32.1	506
SG-6	232	1.90	266.0	202	85.3	13.1	37.2	605
SG-7	279	2.25	315.0	243	86.8	14.9	42.3	704
Maximum Water Working Pressure 58 psi					Maximum Relief Valve is 30 psi at a minimum of 500 MBH			

Boiler Model	Heating Capacity MBH	Gross Input Burner Capacity		Net Output NET MBH	Flue Gas Resistance IN. W.G.	Efficiency %	Water Content GALS	Length (L) In.	Weight Lbs.
		GPH/Oil	MBH/Gas						
B-3	67	0.55	76	56	0.03	86.6	3.5	15.5	249
B-4	95	0.90	110	82	0.04	85.8	4.7	19.5	308
B-5	124	1.00	140	102	0.06	87.2	5.7	23.5	367
B-6	153	1.25	175	128	0.07	86.7	6.7	28.5	427
B-7	185	1.50	207	154	0.08	86.8	7.7	33.5	486
B-8	211	1.80	248	184	0.1	86.8	8.8	38.5	546
B-9	257	2.10	289	215	0.12	86.5	9.9	42.5	606
Maximum Water Working Pressure 58 psi					Maximum Relief Valve is 30 psi at a minimum of 500 MBH				

Notes: 1. Side wall vent kit, Model DV-H, is supplied with one co-axial vent terminal. Side wall vent kit, Model DV-S, is supplied with two vent terminals, one for the air intake and one for the exhaust venting.

2. Units shall be installed on noncombustible flooring. Minimum installed clearances from combustible construction shall be in accordance with RS 14-15 of the New York City Building Code.

Recommendation - That the above described boilers, in accordance with the ASME Boiler Code and assembled with compatible MEA accepted burner with size and operating characteristics approved by the boiler manufacturer, be accepted for use fired by #2 fuel oil and/or natural gas as indicated above, when connected to compatible approved gas vent in accordance with Article 15 of the Building Code of Sub-Article 27-886. This acceptance in no way includes the external piping, connections, and appurtenances thereto, which are required to fully conform with applicable provisions of law, but have not been tested in conjunction with this application. Approval of all electrical equipment, apparatus, materials, and devices shall be obtained from the Bureau of Electrical Control before installation. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance April 30/04

Examined By S. Derphidar