

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 314-01-E

Report of Material and Equipment Acceptance Division

Manufacturer– Triad Boiler Systems, Inc.,

Trade Name – Triad.

Product – Gas/oil fired low pressure steam boilers.

Pertinent Code Section(s) – 27-800, 27-824, 27-826, RS 14-2 (ANSI Z223.1).

Prescribed Test(s) - RS 14-6 (UL 726, UL 795).

Laboratory – Underwriters Laboratories Inc.

Test Report(s) – UL file MH13958 dated October 30, 2003.

Description – Gas, oil, and gas-oil fired boiler assemblies, Models GMS-900, OMS-900, or GOMS-900. These are low pressure steam boilers, intended for commercial or industrial use, rated 15 psi or less. The oil-fired boilers and oil portion of the gas-oil fired boilers are designed for operation on fuel oils not heavier than ASTM D396 No. 2 with the listed oil burners and oil portion of the listed gas-oil burners being of the pressure atomizing type, employing high tension electronic ignition or a proved gas pilot, capable of firing natural interchangeably. The boilers are constructed, equipped, inspected, tested and marked in accordance with the ASME boiler construction code, Section IV. They are provided with a listed burner (pressure atomizing type-oil; power type-gas) as specified herein. The boilers are stamped with the ASME symbol “H” applicable for water boilers. Each boiler model is made in one size and style.

The significance of the model designation is as follows:

GMS - 900 - SH  
A            B            C

A – Designates type of fuels fired and boiler type.

GMS - Designates gas-fired – low pressure steam boiler

OMS - Designates oil-fired – low pressure steam boiler

GOMS – Designates gas-oil-fired – low pressure steam boiler

B - Designates Model Series 900

C - SH – (Manufacturer’s Internal Use Suffix)

The listed gas-fired boilers and the gas portion of the listed gas-oil fired boilers, are intended for use with either natural or propane gases interchangeably, with the listed burners employing a spark ignited, proved gas pilot.



Burner – listed oil, gas or combination gas-oil burner of manufacturer and model designation as given below. Firing rate of burner as marked on the burner's nameplate is to be with the firing rate of the boiler as marked on the boiler nameplate.

**BOILER AND BURNER FIRING RATES**

Triad Boiler Series 900

UL listed Burner Mfg.	Burner Model	Boiler Model Prefix	Fuel Type	Burner Operation	Firing Rate
Gordon Piatt – John Zink Co., LLC	R6.3-0-05	OMS	No. 2 Fuel Oil	On/Off	4.6 – 6.4 GPH
	R6.3-G-05	GMS	Natural Gas	On/Off	600,000 to 900,000 Btu/Hr
	R6.3-G0-05	GOMS	No. 2 Fuel Oil; Natural Gas	On/Off	4.6 – 6.4 GPH; 600,000 to 900,000 Btu/Hr
Power Flame, Inc.	CR1-GO-12	GOMS, GMS, OMS	No. 2 Fuel Oil; Natural Gas	Full Modulation	4.2 – 7.1 GPH; 550,000 to 1,000,000 Btu/Hr
	JR30A-12	GMS	Natural Gas	Full Modulation	550,000 to 1,000,000 Btu/Hr

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. Approval shall be obtained from the Department of Air Resources to show compliance with their rules and regulations for fuel oil burning equipment. 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. Desfleur