Environmental Protection
Emily Lloyd
Commissioner

THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Environmental Compliance
59-17 Junction Boulevard, 9th Floor
Flushing, New York 11373

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Assistant Commissioner
Environmental Compliance

Required Information for Equipment Acceptance

For the Use of Non-Department Listed Boiler Assemblies

Information of Equipment Manufacturer	**Manufacturer Name:**		
	Product Line Name:		
	Business Address:		
	City:	**State:**	**Zip:**

Information of Representative	**Name of Representative:**	**Telephone No.:**
	Email Address:	**Fax No.:**

Type of Fuel: _____

Table for the listing of boiler assembly sizes

Assembly Size	Gas Only Burner Model	Oil Only Burner Model	Combination Gas/Oil Burner Model

Table for the explanation of the boiler assembly model number nomenclature

Sample Model Number	
Segment 1	
Segment 2	
Segment 3	
Segment 4	
Suffix	

Boiler Assembly Boiler Data

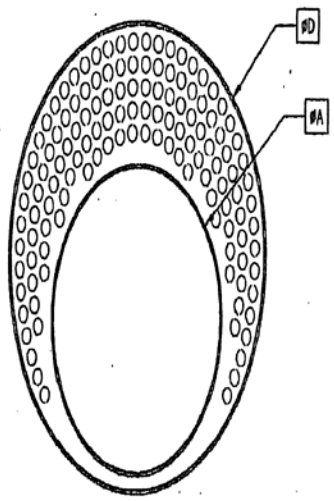
ASSEMBLY MODEL	**FIRING RATE FOR GROSS OUTPUT**		**GROSS HEAT OUTPUT**	**HEATING SURFACE (Fireside)**	**FURNACE VOLUME**	**HEAT RELEASE**	**DRAFT LOSS**		
							80%	**100%**	**110%**
	GPH*	**MBtu/Hr**	**MBtu/Hr**	**Sq. Ft.**	**Cu. Ft.**	**Btu/Hr/Ft^3**	**in. w.c.**	**in. w.c.**	**in. w.c.**

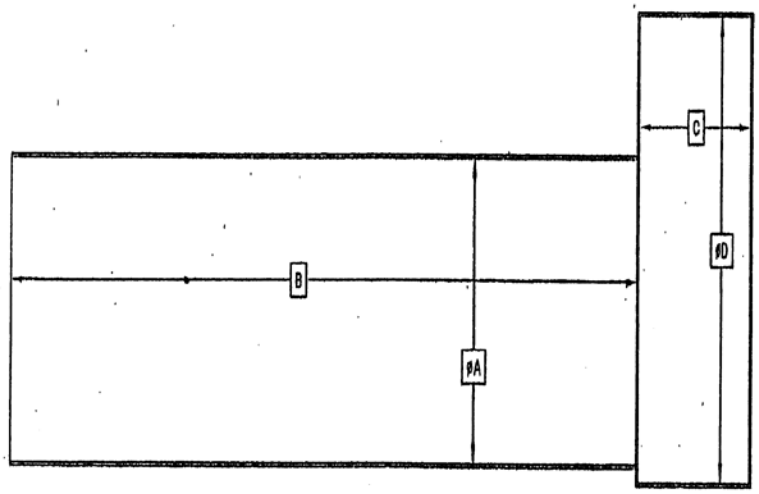
***Based on 140,000 Btu/gal for #2 fuel oil**

Assembly Combustion Chamber Dimensions and Furnace Volume Figures

Assembly Size	A (in.)	B (in.)	C (in.)	D (in.)	Cylindrical Furnace Volume (cu.ft.)	Reversing Chamber Volume (cu.ft.)	Total Furnace Volume (cu.ft.)

Sample Furnace Volume Calculation
Total Furnace Volume = Volume of the Primary Fire tube + Volume of the Reversing Chamber **= Area of the primary fire tube x length of the fire tube + Area of the Reversing Chamber x length of the reversing Chamber**





GENERIC BOILER ASSEMBLY METHOD OF BURNER LIMITATION TABLE

(This style of table is based on the use of one specific nozzle and control valve manufacturer and is presented as a guide for the type and level of information that should be provided. The style and layout of the method of burner limitation table for your specific product line may be different. If the following tables are not applicable, please provide the method of burner limitations in a table that is fitting to your assembly along with appropriate manufacturer's information.)

BOILER SIZE													
BURNER SIZE													
FIRING RATE	**MAX**												
	MIN												
NOZZLE MAKE & MODEL	**GPH**												
	SPRAY ANGLE												
NOZZLE PRESSURE @ HIGH FIRE	**AIR**												
	OIL												
NOZZLE PRESSURE @ LOW FIRE	**AIR**												
	OIL												
CONTROL VALVE MODEL & SIZE													
CONTROL VALVE LABEL PART NUMBER													

Table Notes:

Method of Burner Limitation

Assembly Model Number	Burner Model			Input GPH	Oil Nozzle Data					Supply Pressure PSIG	Return Pressure		Turndown Ratio
	Gas	Gas/Oil	Oil		GPH @ ____PSIG	GPH @ ____PSIG	Brand	Type	Spray Angle Degrees		High Fire	Low Fire Indication	

Professional Engineer's Certification Statement

I attest under the penalties of perjury:

1. I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification statement;
2. That, based on my inquiry of those individuals responsible for obtaining the information, the information contained in this submittal is, to the best of my knowledge, true, accurate and complete;
3. I have personally reviewed the manufacturer's test data and certify that the equipment will meet the following operating conditions in the field:
    a. A smoke reading of #3 or less on the Bacharach Scale
    b. Stack losses will not exceed 17%
    c. Overall efficiency will be at least 78%
4. That systems to maintain compliance are in place at the facility and will be maintained even if processes or operating procedures are changed; and
5. That I am fully authorized to make this attestation on behalf of the facility.

I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, misleading or incomplete information.

_____ _____

P.E. Signature P.E. Seal