

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, A.I.A., Commissioner

MEA 276-03-E

Report of Material and Equipment Acceptance Division

Manufacturer – Max Weishaupt GmbH, Schwendi 1 D-88475 Schwendi, Germany.

Trade Name(s) – Weishaupt.

Product - Oil/gas fired burners.

Pertinent Code Section(s) - 27-800, 27-826, 27-831.

Prescribed Test(s) - RS 14-6 (UL 296, UL 795).

Laboratory – ETL Testing Laboratories Inc.

Test Report(s) – ETL File 3009193 dated November 12, 2001, revised March 11, 2003.

Description – All W-series burners are forced draft conversion burners in which gas or oil is supplied at pressure not exceeding line pressure and air is supplied by the integrated blower fan above the atmospheric pressure. The primary components of the burner assembly include burner casing, air pressure switch (WG), servomotor/stepping motor, oil pump (WL), combustion head, electronic ignition unit, ignition cable and ignition electrodes. The gas burners (WG) are equipped with ionization electrode and the oil burners (WL) have photocell for flame monitoring.

The control of air and fuel is accomplished in various ways. The on-off (single stage) burners are equipped with an air damper setting screw for adjusting the proper amount of air. The two stage (Z) burners are equipped with a stepping motor for rapid control of throughput. And the modulating and sliding two stage (ZM) burners are fitted with individual stepping motor for each air and fuel. Input range for No. 2 fuel oil is 0.4 to 4.9 USGPH. The burners start with a small ignition load and after a set of time is released for operation.

The WG series are gas fired and the WL series are oil fired burners.

Burner model (gas)	WG5	WG10/1-C, Z-LN	WG10/1-C, ZM-LN
		WG20/1-C, Z-LN	WG20/1-C, ZM-LN
Burner model (oil)	WL5 WL10 C WL20 C	WL10 C, Z WL20 C, Z	WG30/1-C, ZM-LN
			WG40/1-A, ZM-LN
			WL30Z-C
			WL40Z-A
Operating modes	Single stage	Two stage	Modulating (Gas) Two stage (Oil)

The gas train consist of main gas pressure regulator, gas pressure switches, automatic shut off valves, test firing valve and main manual shut off valve.

Model No.	Gas Input Rating BTU/h
WG5N/1-A, LN	43,000 thru 170,000
WG10N/1-C, Z-LN	85,000 thru 375,000
WG10N/1-C, ZM-LN	85,000 thru 375,000
WG20N/1-C, Z-LN	120,000 thru 685,000
WG20N/1-C, ZM-LN	120,000 thru 685,000
WG30N/1-C, ZM-LN	135,000 thru 1,200,000
WG40N/1-A, ZM-LN	190,000 thru 1,900,000

Model No.	#2 Fuel Oil Rating GPH
WL5/1-A	0.5 thru 1.0
WL5/1-A-H	0.4 thru 1.0
WL5/1-A-H, 1LN	0.4 thru 0.9
WL5/2-A	0.6 thru 1.3
WL10/2-C	0.8 thru 1.7
WL20/1-C	1.2 thru 2.9
WL20/2-C	1.7 thru 3.6
WL20/1-C, Z	1.2 thru 2.9
WL20/2-C, Z	1.7 thru 4.9
WL30Z-C	1.8 thru 8.1
WL30Z-C, 3LN	1.4 thru 3.2
WL30Z-C, 4LN	1.8 thru 5.2
WL40Z-A	3.5 thru 13.9
WL40Z-A, 1LN	2.9 thru 8.7

Recommendation - That the above described burners, fired by fuel oil not heavier than #2 fuel oil or natural gas only, be accepted for use when equipped with safety controls as provided for in Section 27-831 and 27-800 as applicable and installed in accordance with NFPA Standard 54 and Standard 31 and the Electrical Code of the City of New York. Approval shall be obtained from the Department of Air Resources to show compliance with their rules and regulations for fuel oil burning equipment. 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 materials shall, in addition, be accompanied by a tag, certifying that the materials shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance Sep/24/03

Examined By S. Derbhidan