

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 68-03-E

Report of Material and Equipment Acceptance Division

Manufacturer - Waterpik Technologies, Inc., Laars Htg, System, 20 Industrial Way,
Rochester, NH 03867.

Trade Name(s) - Rheos.

Product - Direct vent, 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 (ANSI Z21.13).

Laboratory – CSA International.

Test Reports – CSA File 1889518-1252660 dated December 23, 2002.

Description - Gas fired hot water boiler assembly designed for indoor or outdoor installation. Boiler consists of a forced draft premixed combustion system with a copper finned tube heat exchanger. Boilers are provided with a hot surface ignition system and modulated firing rate. Combustion air may be ducted from the outside or taken from the boiler room. Hot water controls consist of an operating control and a manual reset high limit set at 240°F. Units, with model numbers and input heating ratings, are listed below.

Model No.	Input Heating Rating BTUH	
	Max	Min.
RHC(H,V)2400	2,400,000	1,200,000
RHC(H,V)1200	1,200,000	600,000

For indoor installation or outdoor installation with the following minimum clearances to combustible construction:

Indoor Installation						
Top	Front	Flue	Rear	Sides	Top	Floor
1 in.	Alcove	6 in.	1 in.	1 in.	1 in.	Combustible
Outdoor Installation						
Unobstructed	Unobstructed	6 in.	1 in.	1 in.	1 in.	Combustible

VENTING SPECIFICATIONS

1. Vent and Air Intake Lengths:
 - a) Maximum length 50 ft. with five (5) 90° elbows.
 - b) Minimum length 3 ft. with one (1) 90°elbow.

2. Vent Material:
 2400 10 inch AL 29-4C vent pipe certified to UL 1738
 1200 6 inch AL 29-4C vent pipe certified to UL 1738
- Air Intake Material:
 2400 8 inch single wall galvanized steel pipe, minimum 24 gauge
 1200 6 inch single wall galvanized steel pipe, minimum 24 gauge
3. For installation of the intake and vent terminal assemblies through a wall measuring from 3 inches to 12 inches.
4. Terminals:
- | | |
|--|---------------------|
| 2400 | |
| Direct vent and Room Air Vent Terminal | 51090C1 (Heat Fab) |
| Outdoor Vent Terminal | 71090GC (Heat Fab) |
| Adapter for Vent Terminals | 51001BOI (Heat Fab) |
| Intake Air Terminal | 20260703 (Laars) |
| | |
| 1200 | |
| Direct vent and Room Air Vent Terminal | 5690C1 (Heat Fab) |
| Outdoor Vent Terminal | 7690GC (Heat Fab) |
| Adapter for Vent Terminals | 51001BOI (Heat Fab) |
| Reducer 10 in. to 6 in. | 71076GC (Heat Fab) |
| Intake Air Terminal | 20260701 (Laars) |

Recommendation - That the above described gas fired hot water boilers, constructed in accordance with the ASME Code and installed as per clearances to combustible construction specified above, be accepted for use with natural gas only, when connected to compatible approved gas vent in accordance with Article 15 of Building Code and Section 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 been tested in conjunction with this application. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the of Electrical Control before installation. provisions of law, but have not been tested in conjunction with this application.

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 25/03
 Examined By S Derphidan