



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
(212) 566-5000, TTY: (212) 566-4769

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 444-05-E

- Manufacturer:** Advanced Thermal Hydronics, 260 North Elm Street, Westfield, Massachusetts 01085.
- Trade Name(s):** Hydrotherm.
- Product:** Direct vent gas fired hot water boiler assemblies.
- 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 Report(s):** CSA 1468376 dated April 4, 2004 and October 6, 2005.

Description: Direct vent, modulating, gas fired, low pressure hot water boilers are designed for indoor installation only. Unit consists of a cast iron heat exchanger, ceramic burner, a combination gas control and spark pilot ignition. Boilers are provided with a water temperature limiting device and a pressure relief valve with settings of 215°F and 100 psi respectively. Unit, with model number and input heating ratings are listed below:

Model No.	Input Heating Rating Btu/hr
KN-6	600,000
KN-10	1,000,000
KN-20	1,999,999

Clearances

Type of Enclosure	X	Alcove	X	Closet
A) Top		12		
B) Front		N/A		
C) Vent		6		
D) Rear		6		
EL) Left Side		6		
ER) Right Side		6		
F) Floor	X	Combustible		Non-Combustible
G) Line Contact		Yes	X	No

Vent & Air Intake Systems

Category III

Boiler Model Number	Equivalent Vent & Intake Length (see note)	Vent Diameter (see note)
KN-6	80 ft, 19.7	5 in. (127 mm)
KN-10	80 ft, 19.7	6 in. (152.4 mm)
KN-20	80 ft, 19.7	9 in. (228.6 mm)

Notes: Intake air pipe is optional.
Same for Hydrotherm models.

Vent & Air Intake Systems

Category I

Boiler Model Number	Vent Diameter	Intake Diameter (see note)
KN-6	5 in. (127 mm)	5 in. (127 mm)
KN-10	6 in. (152.4 mm)	6 in. (152.4 mm)
KN-20	9 in. (228.6 mm)	9 in. (228.6 mm)

Notes: Intake air pipe is optional.
Same for Hydrotherm models.

Terms and Conditions: The above described gas fired water boilers, constructed in accordance with the ASME boiler 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 or chimney in accordance with Section 27-886 and Article 15 of the Building Code. 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. All shipments and deliveries of such equipment shall be provided with a metal tag, suitable placed, certifying that the equipment shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department before installation.

Final Acceptance January 19, 2006

Examined By S. van Der Kolk