

**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 the Material and Equipment Acceptance (MEA) Division.

**Patricia J. Lancaster, F.A.I.A., Commissioner  
MEA 163-04-E**

**Report of Materials and Equipment Acceptance Division**

**Manufacturer - Advanced Thermal Hydronics, 260 north Elm Street,  
Westfield, Massachusetts 01085.**

**Trade Name - 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 Tests - RS 14-6 (ANSI Z21.13).**

**Laboratory - CSA International.**

**Test Report - CSA 1468376 dated April 4, 2004.**

**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-10	1,000,000

**Clearances**

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

## Vent & Air Intake Systems

Boiler Model No.	Equivalent Vent & Intake Length (see note) 6 in. Diameter
KN-10	80 ft., 19.7

Notes: Subtract 10 ft. 3.3 m for each 90°elbow.  
Same for HydroTherm models.

## Vent & Air Intake Systems

Boiler Model No.	Vent Diameter	Intake Diameter (see note)
KN-10	6 in. {15.2 mm}	6 in. (15.2 mm)

Recommendation - That 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 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, suitably 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 Bureau of Electrical Control before installation.

Final Acceptance July 126/04  
Examined by S. D. [Signature]