

**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, F.A.I.A., Commissioner
MEA 93-04-E**

Report of Material and Equipment Acceptance Division

Manufacturer – Camus Hydronics Limited, 1205 Fewster Drive, Mississauga, Ontario L4W 1A2.

Trade Name(s) – DynaFlame.

Product – 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).

Laboratories – CSA International.

Test Report(s) – CSA Report No. 132868 dated January 17, 2003.

Description – Fan assist, gas fired, copper fin tube, low-pressure hot water boiler designed for indoor or outdoor installation. When installed indoors the boiler is suitable for direct vent application and alternately may be vented as a category I appliance with adjustable in vent size. Appliances consist of an integrally finned circular copper tube heat exchanger assembly which completely surrounds the burner and thus forming the combustion chamber, a single main burner assembly consisting of a cylindrical burner tube bolted to a fan which premixes air & gas before it enters the burner, proved hot surface electronic ignition means comprising igniter, flame sensor, ignition module and one to one air/gas ratio controller with proof of closure switch. Appliances are provided with a manual valve set at 160 psig or less. Appliances for outdoor installation are fitted with an outdoor kit, which includes vent cap and stack. When equipped with the optional secondary heat exchanger these appliances are fully condensing with steady state efficiencies of 95%. Units with model numbers and input heating ratings are listed below:

Model Number	Input Heating Rating BTUH
DFW,H 500	500,000
DFW,H 750	750,000
DFW,H 1100	1,100,000
DFW,H 1500	1,500,000
DFW,H 1750	1,750,000
DFW,H 2000	2,000,000
DFW,H 2500	2,500,000
DFW,H 3000	3,000,000

Notes: 1. Units shall be installed on noncombustible flooring. Minimum installed

clearances from combustible construction shall be as follows: top, back, sides – 12 inches; front – 48 inches; flue – 6 inches.

2. Venting Specifications:

Outdoor Installation: With Venting: Kit #14-009 the Dyna-Flame is self-venting.

Indoor Installation:

Standard Venting: The Non-Condensing Dyna-Flame is a Category I appliance and can be vented into a common standard chimney. The Condensing Dyna-Flame is a Category 2 appliance and requires a special vent system and special condensate collection neutralizing and disposal.

Direct Venting (with outdoor air intake): With Terminals 14-0043, 14-0044, 14-0090 or 14-0091, the Dyna-Flame can vent up to 100 equivalent feet. Vent sizes are 6" dia. for Model 500, 8" for Models 750-1100, 10" for Models 1500-1750, and 12" for Models 2000-3000.

Recommendation - That the above described gas fired hot 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 combustible approved gas vent in accordance with Article 15 and Section 27-886 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. 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 be provided with a label or tag certifying that the materials use, as provided in Section 27-131 of the Building Code.

Final Acceptance SEP/21/04

Examined by S Deekhudan