NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

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 289-06-E

Manufacturer:	Microtherm, Inc. 223 W. Airtex Houston, TX 77090
Trade Name(s):	SEISCO
Product:	Instantaneous Electric Water Heater
Pertinent Code Section(s):	27-787
Prescribed Test(s):	U.L. 499
Laboratory:	Underwriters Laboratory, Inc.
Test Report(s):	U.L. File #E118679 Dated January 30, 1996 (Revised March 20, 2003)

Description: Instantaneous Electric Water Heater intended for whole-house and point-of-use potable hot water applications. These products were evaluated for residential hot water supply purposes used in accordance with the NEC, including mobile homes (manufactured housing). Each unit is provided with *field wiring terminals for permanent connection to the supply source. The products are provided with immersion type sheath heating elements mounted to a thermoplastic water tank pipe assembly. Each water tank pipe assembly is provided with two heating elements and may be provided with a total of two water tank assemblies bolted together. The sheath of the heating elements

are not connected to the equipment grounding terminal and a "CAUTION" Marking is provided indicating such. Water is grounded through heat sink, thermal sensors which are bonded to equipment grounding terminal. The heating elements are controlled by a regulating control which consists of a triac for each heating element with sensors located in the water to indicate the presence of water and the temperature difference between the input and output of the water. The sensors are located in the low-voltage circuit, supplied by a low *voltage isolation transformer. The back-up control is provided by two relays *per heating element, one on each line, controlled by a manual reset *thermostat. The back-up control is not required with Abnormal Test and relay *contacts do not normally operate unless there is a complete failure of the *operating control and then only operates once. As the inside diameter of the tanks was less than 3 in. no pressure relief was required.

SEISCO Residential Model	SEISCO Commercial Model	Operating Voltage (Volts)	Maximum Wattage (Watts)	Maximum Flow-Rate Range, @ 120 deg. F Temp. Output (GPM)
RA-11	**CA-11**	**240**	**11,000**	**1.1 – 1.4**
RA-12	**CA-12**	**208**	**12,000**	**1.3 – 1.6**
RA-14	**CA-14**	**240**	**14,000**	**1.4 – 1.7**
RA-18	**CA-18**	**240**	**18,000**	**2.0 – 2.4**
RA-22	**CA-22**	**240**	**22,000**	**2.4 – 2.8**
RA-24	**CA-24**	**208**	**24,000**	**2.8 – 3.2**
RA-28	**CA-28**	**240**	**28,000**	**3.0 – 3.4**

Note: Installed clearances to combustible construction shall be in accordance with Reference Standard RS 14-15**.**

Terms and Conditions – That the above described water heaters, installed as per clearances to combustible construction specified above, be accepted under the following conditions:

1. All shipments and deliveries of the materials comprising this assembly shall be accompanied by a certificate or label 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.

2. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.

NOTE: In accordance with section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the commissioner; and any material which upon retesting is found not to comply with code requirements or the requirements set forth in the approval of the commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance June 21, 2006

Examined By Simon Derbedrossian