

**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 100-00-E
Report of Material and Equipment Acceptance Division**

Manufacturer – Robur Corporation, 2300 Lynch Road, Evansville, Indiana 47711.

Trade Name(s) – Servel.

Product –Outdoor absorption type water chiller.

Pertinent Code Section(s) -27-777, 27-800, 27-824.

Prescribed Test(s) - RS 13-6 (ANSI B9.1), RS 14-6 (ANSI Z21.40).

Laboratory – CSA International.

Test Report(s) – No. 189184-1004426, dated September 30, 1999.

Description – Packaged, gas-fired absorption type water chiller and water heater unit designed for outdoor installation only. Refrigerant 717 (ammonia and water) is the absorbent for the cooling system. The cooling section and heating section use ventri-type burners provided with a direct spark ignition system. On the cooling section, the generator temperature is controlled by a manual re-set switch at 330 degrees Fahrenheit, and the generator pressure is controlled by a pressure relief set at 450 psi. The condenser coil contained within the unit is air cooled by a fan. On the heating section, a hot water temperature limiting control, manual reset type, is set at 170 degrees Fahrenheit. Circulation of chilled water to and from the exterior heat transfer will be provided from an optional factory-installed or customer-provided water pump. The unit model number, heating and cooling gas inputs, and cooling capacity are listed below:

Manufacturer's Specifications

Model Number	Heating Gas Input Rating, MBH	Cooling Gas Input Rating, MBH	Nominal Cooling Capacity, MBH	Refrigerant Charge, lbs.
AYF60-165	165	96.5	60	16

Note: Unit may be installed on combustible flooring. Minimum clearance to combustible construction shall be in accordance with Reference Standard RS 14-15.

Recommendation - That the above described absorption type water chiller, be accepted for outdoor installation only, when fired by natural gas and employing refrigerant 717 (ammonia), under the following conditions:

1. Installation shall be in accordance with Reference Standard RS 13-6 (ANSI B9.1).
2. All equipment shall be furnished with a permanently affixed metal tag stating that if installed in New York City within 100 feet of any dwelling unit window, there shall be compliance with all provisions of Section 27-770, as to maximum sound levels permitted for exterior mechanical equipment.
3. 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 that tested and acceptable for use, as provided for in section 27-131 of the Building Code.
4. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.

Final Acceptance 5/19/02

Examined by Stephen J. Lewis