

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following material has been found acceptable for use in accordance with the Report of the material and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, A.I.A. Commissioner
MEA 142-03-E

Report of Material and Equipment Acceptance Division

Manufacturer - Lindus, SRL, Via Armaroli 18, 40012, Calderara Di Reno, Bologna, Italy,
Phone: +39-051-721690, e-mail: linduscomm@lindus-srl.com

Trade Name - Lindus Dry Cleaning Machines: USA Representative; D.S.P.S. Inc. D/b/a/
AMA Group, 11438 W. Cronridge Drive, Owings Mills, MD 21117, Attn: Joel Franklin,
V.P., Phone: 443-394-0533.

Product - Commercial Dry Cleaning Machines, non coin-operated, for use with
perchloroethylene Class IV dry cleaning solvent (non-flammable).

Pertinent Code Sections - 27-4087 and 27-426, Article 6.

Prescribed Test(s) -

CSA Standard C22.2 No. 0	General Requirements
CSA Standard C22.2 No. 0.4	Bonding and Grounding of Electrical Equipment
CSA Standard C22.2 No. 0.5	Threaded Conduit Entries
CSA Standard C22.2 No. 100	Motos and Generators
CSA Standard C22.2 No. 169	Electric Clothes Washing Machines and Extractors
UL Standard C22.2 No. 664	Commercial Dry Cleaning Machines (Type IV)

Laboratory - Canadian Standards Association (CSA).

Test Reports - CSA Report No. 1346454 dated December 5, 2002.

Description -The various parts of the machine are assembled as a single unit on formed steel base, which incorporates the solvent tanks. Operations of the machines may be automatic or manual. All operations are performed in a single cylindrical drum and may include washing, extracting, rinsing, or similar operation, and drying.

The dry cleaning machines are dry to dry, front door loaded, closed systems with manually set automatic programming with manual override. These machines are available for operation for supply voltage 208 to 220 Vac, 3 phase, 60 Hz. The control voltage is 24 Vac. 60 Hz.

The solvent used in the cleaning process is perchlorethylene, which is non-flammable. The machines have a refrigeration unit for the drying and cool down cycles. There is no venting of perchlorethylene vapor to the outside. The machines are classified as "Fourth Generation" under NYS DEC 6NYCRR Part 232, "Perchlorethylene Dry Cleaning Facilities".

These models have a two speed motor as the drive motor for the drum. The low speed is used during the wash cycle and the high speed drum is used during the solvent extract cycle. They also have a pump motor for the solvent and fan motors for drying. The wash cycle is provided with reversing action during which time the basket stops rotating and reverses direction.

Main power is connected to the isolation switch in the main control enclosure to the motor starters and microprocessor-based control or card reader. All power conductors from the enclosure are enclosed in non-metallic, liquid tight, flexible conduit. All controls input and outputs are low voltage (24 Vac.) And are dressed into wiring harnesses.

The machines are provided with the filters through which the cleaning fluid is filtered during a normal cycle, and a still, which is periodically used to reclaim, the solvent. Drying is accomplished by means of steam heating and many of the mechanical operations are performed by air-operated valves and cylinders. A positive in-draft is provided (fan motor energized when door is open).

The capacities of the various model numbers are as follows: Note: Capacities based on BSA Rule 2, Paragraph 2.4 on the basis of 2.8 pounds per cubic foot of volume of the washing compartment

Model No	Volume (Ft ³)	Rated Capacity (lbs)
ML 35	10.66	29.85
ML 45	12.36	34.61
ML 60	17.66	49.45
ML 80	21.16	59.25

Recommendation - That the above non-coin operated dry cleaning machines be accepted on condition that all used locations and installations comply with New York City Building Code, specifically Section 27-4087 and Article 6, the BSA rules covering non-coin operated dry cleaning establishments 432-62-SR, the New York City Electrical Code, Fire Code, Department of Environmental Protection Rules, CSA listing and Manufacturers' instructions.

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 accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance July 1, 2003
Examined by [Signature]