

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 35-03-E
Report of Material and Equipment Acceptance Division

Manufacturer – Sovrana S.R.L., Via Verde NR 7/D, 40012 Calderara Di Reno, Bologna, Italy.

Trade Name(s) – Victory
Suite 100
10 Southwoods Parkway
Hapeville, GA 30354.

Product – Dry cleaning machine using Class IV (Perchloroethylene) cleaning solvent.

Pertinent Code Section(s) - 27-4087 and Article 6, Section 27-426.

Prescribed Tests – 1) Commercial Dry Cleaning Equipment (ANSI/UL 664, 4th Edition)
2) Commercial Laundry and Dry-cleaning Operations (ANSI Z8.1, 1996 Ed.)
3) General requirements – Canadian Electrical Code, Part II, (CAN/CSA C22.2 No. 0-M91).

Laboratory - Intertek Testing Services.

Test Report(s) – Report No. 0001643B, issued July 18, 2000, revised June 19, 2001.

Description - The dry cleaning machines are dry to dry, front door loaded, closed, belt driven baskets assemblies. They contain heat pump, wash extraction pump and fan motors, solvent recovery systems, disk type filter assembly and control panel. These machines operate on supply voltages of 220/240 VAC, 3 phase, 60 Hz. The solvent used in the cleaning process is a Class IV solvent. The machines have a refrigeration unit used for the drying and cooling down cycles. There is no venting of Class IV solvent vapor to the outside.

The dry cleaning machines differ in load size, solvent recovery, maximum solvent amount in system, and number of tanks as follows:

Model No.	Load Size	Solvent Recovery Capacity (gal./hr)	Max Solvent Amount in system	No. of tanks
A 40 V5000	40	50	153.2	3
A 50 V5000	50	68	190.2	3
A 60 V5000	60	68	190.2	3
A 80 V5000	80	98	279.2	3
A 90 V5000	90	95	279.2	3
V 40	40	50	149	3
V 50	50	68	217	3
V 60	60	68	217	3
V 80	80	98	280	3
V 90	90	98	280	3

The still, recovery section, condenser, wash wheel, water separator, disk filter are made from stainless steel. The front cover is made from galvanized cold rolled steel.

The operation of the dry cleaning machines is outlined below.

Garments are placed in the wash wheel and the machine is started. Solvent is pumped from the integral base tank into the wash wheel. When pre-determined liquid level is reached, solvent is circulated from the wash wheel through the filtering system for purification purposes. At the end of the pre-determined cleaning cycle, the solvent is drained back to the integral base tank or the dirt tank (still). The liquid from the garment is then extracted for one minute at speeds up to 300 RPM depending upon the model.

After the last bath, the machine starts spinning up to 300 RPM. After the spin cycle, the drying cycle begins. The automatic drying system is designed to control the heating temperature measuring both the inlet and outlet temperatures during the complete drying and cooling process.

After the drying and cool-down process, the vapor inside the drum is circulated through a 66 or 132 lb. (depending on material) activated carbon bed to reduce the perc emissions below 290 ppm before the loading door is opened. This process takes approximately five minutes to complete and after this time, the operator can remove the garments from the machine.

Recommendation - That the above non-coin dry-cleaning machines be accepted on condition that all uses, locations, and installations comply with New York City Building Code, specifically Section 27-4087 and Article 6, Rules of the City of New York, Chapter 5 – Dry Cleaning Establishments, the New York City Electrical Code, Fire code, the Department of Environmental Protection Rules, Factory Mutual listing and the manufacturer's 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 acceptable for use, as provided for in Section 27-131 of the Building Code

Final Acceptance April 23, 2003
Examined By Donald [Signature]