

**ACID/SOLVENT/PUMP CABINETS**

**CONSTRUCTION DETAILS**

**Acid Cabinet Details**

Molded polyethylene liner (molded liners are removable) and shelf are chemically resistant on Acid cabinets. Removable liner is held in place with capped stainless steel screws and has a vent connection. 3/16" thick fiberglass reinforced polyester liner is provided on tall Acid cabinets and an available option on base cabinets. Cabinets are marked "ACID" - in red letters.

Note: Acid Cabinets must be vented. Mott recommends venting acid cabinets with a Polyolefin Vent Kit (PVSS for Molded Tub liner cabinets or PVSA for FRP lined cabinets - see fume hood section). Vent location applies to 28-3/4", 31-3/4", 34-3/4", 44" and 65" height cabinets.

**Insulated & Non-Insulated Solvent Cabinet Details**

Insulated Solvent Storage cabinets are fabricated with 2" insulated double walls, are approved to UL1275, and meet National Fire Protection Association standards. Uninsulated safety cabinets meet National Fire Protection Association standards.

Insulated and non-insulated solvent cabinet floors has one 2" deep liquid tight spill containment pan. Doors are mounted on continuous hinges with a three point locking self latching handle. Each cabinet has two 2" diameter vents in the rear of the cabinet, complete with flame arrestor and vent covers. Cabinets are provided with one full depth shelf, adjustable in 1/2" increments. Cabinets are marked "FLAMMABLE KEEP FIRE AWAY" - in red letters. Optional self closing doors and self closing/latching doors with a fusible link are also available.

Note: NFPA30 Fire code does not require Solvent Cabinets to be vented. Do not vent Solvent Cabinets to fume hood. If cabinet must be vented use fireproof pipe. Contact Mott for details. Vent location applies to 28-3/4", 31-3/4", 34-3/4", 44" and 65" height cabinets.

**Pump Storage Cabinet Details**

Pump cabinets are insulated with 1" thick acoustic foam which provides sound absorption and noise reduction over a wide range of frequencies. Foam is incorporated to the interior of the cabinet including the door and it is contained with a mechanical inner steel frame. The foam is fire resistant and complies with MVSS 302 AND UL94 HF-1 requirements. Two vent holes are incorporated in the cabinet back for connections to centralized lab exhaust systems. Custom vent cutouts are available. Back access panel is easily removable to provide convenient access to venting or electrical connections after installation. One 120 Volt / 20 Amp (15 Amp in Canada) electrical duplex receptacle provides power to the vacuum pump (final power connection required). The switch that controls receptacles is located on the front panel on False Panel Units; Full height Door Units are typically wired through the fume hood.

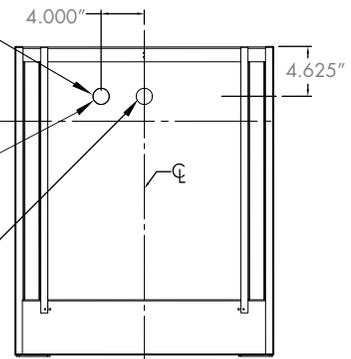
**Cabinet Vent Hole Locations**

2" DIA Female National Pipe Thread vent connection on cabinets with Molded Tub Liners and 1-1/2" Plain Hole on cabinets with FRP Liners.

Vent hole location for all SINGLE DOOR Acid Cabinets

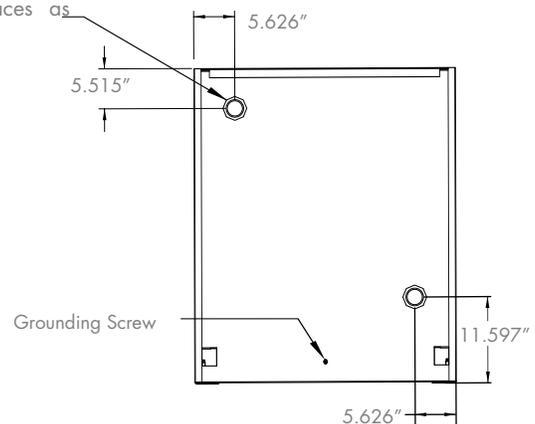
Vent hole location for all DOUBLE DOOR Acid Cabinets

Acid Cabinet Rear View



2" DIA Female National Pipe Thread in two places as shown

Solvent Cabinet Rear View



Pump Storage Cabinet Rear View

