

PLE-110 ULTRA LOW TEMP. DEEP FREEZER IN VERTICAL & HORIZONTAL



CABINET CONSTRUCTION :

MOC in non-GMP interior are corrosion resistant SS-304 mirror finish and exterior is MS powder coated and in GMP interior are SS-316 mirror finish and exterior is SS-304 mat finish High density CFC free PUF. 6" (15.24 cm) thick in all sides Hot gas conduit prevents the door from freezing in all models Mounted of heavy-duty castor wheels GMP models with IQ, OQ, PQ and DQ documentation.

VERTICAL CABINET CONSTRUCTION :

Door with double magnetic gasket, heavy-duty cam latch for a secure and quick opening Door lock for improved security Perspex inner doors with independent door hinges and magnetic latch Minimum 4" (10.16 cm) high-density insulation for door.

HORIZONTAL CABINET CONSTRUCTION :

Design for easy access to inventory. Specially designed counterbalanced lid with lock for security. Double magnetic gasket for lid to minimize frost formed on door Sub lids provided for additional protection.

ADDITIONAL SAFETY SYSTEMS :

Auto restart safety pressure cut-off for compressor. Safety time delay and built-in overload protection for compressors, safety fuse for mains & compressors, over ambient temperature cut-off controller and door warning alarm.

PRE-INSTALLATION REQUIREMENTS :

Stabilized 230V 50Hz AC single-phase 20amps power supply with MCB and proper earthing within the radius of one meter from the installation. One feet free space around for installation in an air-conditioned or in a cross-ventilated, dust free and clean environment. (Room temperature should be below 25°C) Zero level flooring and floor level drainage within the radius of one meter from the installation.

The Pooja ultra low temperature deep freezers are purposely designed for an array of applications includes red cell and other requiring close ultra-low temperature control, full access to samples within. Choose from four models in vertical or horizontal sizes, available in non-GMP and GMP version. The operating temperature ranges from minus 50° C to minus 80° C at an ambient temperature of 25°C.

REFRIGERATION SYSTEM :

Exclusive legacy system with air-cooled compressors. Cascade system. CFC Free refrigerants. Higher capacity compressors for quiet and trouble free operations. Specially designed oil separator provided to remove oil from the refrigeration gas for long life of low stage compressor. Higher capacity air-cooled condenser with aerodynamically shaped fan blade. Cooling coils are dehydrated imported copper tubing soldered to the external side of the working chamber from all sides (both vertical side, top, bottom and backside). Special aluminum foil placed over the copper tubing provides instant and consistent cooling throughout the surface area. Most reliable digital temperature controller. Alarm high / low

CONTROL SYSTEM :

limits include audible and visual warning on high and low limit deviation.

VERTICAL CABINET					HORIZONTAL CABINET			
Model No.	Volume CU.FT/ LTRS	Shelves	Inner dime. W x D x H cms	External dime. W x D x H cms	Model No.	Volume CU.FT/ LTRS	Inner dime. W x D x H cms	External dime. W x D x H cms
ULCV 01	03.22/092	1	45 x 45 x 45	76 x 78 x 121	ULCH 01	03.22/092	45 x 45 x 45	112 x 76 x 90
ULCV 02	06.18/176	2	50 x 50 x 70	81 x 83 x 146	ULCH 02	06.18/176	70 x 50 x 50	137 x 81 x 95
ULCV 03	09.61/274	2	55 x 55 x 90	86 x 88 x 166	ULCH 03	09.61/274	90 x 55 x 55	157 x 86 x 100
ULCV 04	12.32/351	3	56 x 56 x 112	87 x 89 x 188	ULCH 04	12.32/351	112 x 56 x 56	179 x 87 x 101

OTHER PRODUCTS INCLUDES:

Chromatography Refrigerator; Pharmaceutical Refrigerator; B.O.D. Incubator; Ice Flaker; Plant Growth Chamber; Stability Chamber; Freezer cum Refrigerator; Deep Freezer minus (-) 40°C in vertical or horizontal; Deep Freezer minus (-) 20°C in vertical or horizontal; Incubator Rotary Shaker with cooling & heating; Cryostat Bath (Chiller); Plasma Freezer cum Blood; Bank Refrigerator; Vertical bacteriological Incubator; Vertical Laboratory Oven; Walk-in Stability Chamber; Walk-in Cold Chamber / room.

Pioneer's in services to Science, Technology & Industry. Most innovative and reliable partner in India's Biotech Revolution



Pooja Lab Equipments

Mfrs. of: Scientific Instruments & Equipments

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Due to continuous R & D, we reserve the right to change the specifications, dimensions, layout and price without prior notice.