



Perfect Blend of Quality & Technology

**COLD CHAMBER
ULTRA LOW TEMP. CABINET
FROST FREE VERTICAL**



Temp. Range
-20°C / -35°C
-40°C / -80°C

**Frost Free
Vertical**

**Eco Friendly
CFC Free**



S.R LAB INSTRUMENTS

G-16, M.K. INDUSTRIAL PREMISES CO-OP. SOC. LTD. SONAWALA " X " ROAD NO. 2,
GOREGAON (EAST), MUMBAI - 400 063. (INDIA)
TEL.: 022 - 2685 8753, FAX.: 022 - 2685 8362.
Email: srlabinstruments@vsnl.net

COLD CHAMBER

ULTRA LOW TEMP. CABINET (FROST FREE VERTICAL)

TEMP. RANGE : -20°C / -35°C / -40°C / -80°C

Application :

Equipment specially designed & suitable for Electronic Industry, Space Programs Research, Research Labs, Defence Labs, Blood Banks, Biological Specimens, Serum, Vaccines, Research Laboratories Medical Specimens, Clinical Samples, Industrial research etc, for testing under extreme low temp. conditions.

Construction :

Fabricated on heavy angular structure, triple walled chamber, two chamber of AISI S.S 304. The exterior chamber from CRCA Sheet duly powder coated with PUF insulation.

Circulation

Forced air circulation to ensure uniform temp.

Door :

Double door for vertical models only. ,first one of 6 mm acrylic & the second one of metal with two walls & PUF insulation.

Refrigeration Systems :

Single stage compressor for temp. up to -20°C / -35°C & Double stage compressors for temp. up to -40°C / -80°C with cascade systems, oil separators, high pressure cutoff, low pressure cutoff, electrical accessories etc. CFC Free Refrigerants of SUVA - 95 for second stage & R- 134 for the first stage will be used.

Temp. Control :

Digital temp. Control with 24 hrs timer.

Optional :-

Micro processor based PID temp. control with PC interface & strip Chart Recorder.
GMP Model / Complete S S unit .

Safety Measures :

Built-in temp. deviation audio/visual alarm. safety thermostat for over shoot temp. cut off safety circuit to cut off the whole system in case of malfunction (Only applicable in microprocessor based models). HRC fuses for compressor heaters & mains, time delay circuit for safety of compressor etc. circuit breakers for over & under temp. conditions.

Special Attention :

Must be kept in a A. C Room & suitable rating Servo Controlled Voltage Stabilizer is recommended.

TECHNICAL SPECIFICATIONS

VERTICAL MODEL

Model	Capacity (Ltrs)	Internal Dimensions
ULVF-A	45 Ltrs	35 x 35 x 35 (cms)
ULVF-B	90 Ltrs	45 x 45 x 45 (cms)
ULVF-C	170 Ltrs	50 x 40 x 85 (cms)
ULVF-D	265 Ltrs	57 x 57 x 88 (cms)
ULVF-D	425 Ltrs	70 x 65 x 95 (cms)
ULVF-D	650 Ltrs	80 x 80 x 105 (cms)

Due to continuous development & improvements in design, we reserve the right to change the specification without notice.