**Annexure 3**

**GLOVEBOX SIZE (Working environment)**

**Lengths:** 1250mm - 1500mm

**Depths:** 780mm -1000mm

**Height:** 900mm

**GLOVEBOX SPECIFICATION**

Stainless steel 1.4301 (US Type 304) construction

(4/5) DN 40 KF feedthroughs included (1) electrical

Fine filter (1) gas inlet, (1) gas outlet, class H13

Scratch resistant polycarbonate windows

.4mm Glovebox gloves (optional glove sizes and materials should be available)

POM 220mm diameter glove ports

Fluorescent front mounted lamp

Mini 1000mm length x 220mm depth stainless steel shelving

Leak rate <0.05 vol%h (acc. ISO 10648-2)

Weight 432/614 kg

**LARGE ANTECHAMBER SPECIFICATION**

Cylindrical design with stainless steel sliding tray (optional antechamber sizes and configurations are available)

Antechamber size 390mm diameter x 600mm length

Stainless steel 1.4301 (US Type 304) construction

Aluminum or stainless Steel door

Leak rate <10-5 mbar l/s

**LABMASTER GAS PURIFICATION SPECIFICATION**

Optional H2O/O2 single (sp) / double (dp) column inert gas purifier

Attainable purity level H2O < 1 ppm, O2 < 1 ppm

Rotary vane pump

Auto regeneration

Removal capacity higher than 300 b for O2  & higher than 1000 g for H2O

Multiple speed blower w/ frequency controller

Stainless steel 1.4301 (US Type 304) piping

Flow rate up to 80-100 m³/h

**CONTROLLER SPECIFICATION**

Siemens PLC with large color touch panel

Automatic box pressure control with foot switch (+15 mbar,-15 mbar)

Multi-language operation

Box trending capabilities

**Features**

Stainless steel design with polycarbonate window

Modular box top design

Closed Loop Recirculation

Large antechamber with sliding tray

LABmaster inert gas purification system

Siemens PLC with large color touch panel

Stainless steel piping

Vacuum pump

Heat exchanger

High efficiency box filters HEPA H13

Analogue box pressure sensor

Adjustable shelving

Castors for easy mobility

Leveling feet

Stand

Light hood with anti-reflection film

**Options**

|  |  |
| --- | --- |
| ECO Mode operation  Double Purifier (DP) Reactor Columns  Oxygen, Moisture, and Solvent Sensors  Evaporators  Custom view ports  Coldwell  Vacuum ovens (250°C and 600°C)  Hotplates  Spin coaters  Mechanical door locks  Oxygen and moisture analyzers | Solvent Vapor Removal (Internal and External)  Regenerable Solvent Vapor Removal  Auto purge function  Electrical feedthroughs / binding posts  Box purge configuration  Box cooling unit  Vacuum cleaners  Recirculation Chiller |