**Specifications for a Glove Box**

* Inner Box Dimensions 900-950mm x 1200-1250mm x 720-800mm [H x L x D]:
* 2 port Stainless steel glove box
* Butyl gloves with 0.4-0.6 mm thickness (better resistance).
* Tightness of glove box with Leak rate < 0.05 Vol%/h).
* 2 Polymer glove port**s,** 220mm dia, O ring sealed,
* Front panel should be of Sapphire coated Polycarbonate material
* PLC Controlled with Color Touch panel for operation of all Glove box functions
* Including graphical tend of box pressure, oxygen and moisture levels.
* Dust filter 0.3 micron, class H13, should be included
* Three Height Adjustable, Stainless Steel shelves to be included
* Positive pressure regulation without vacuum pump
* Manual big vacuum chamber, stainless steel Ø400, length 600mm on the right with SS sliding tray
* 5 blind feedthroughs for NW40
* 1 mono 220V-16A feedthrough
* 1 LED light/fluorescent light
* Pressure safety valve
* PURIFICATION SYSTEM

Automatic pressure regulation (overpressure)

Automatic regeneration process

Automatic flushing

Touch screen control

Purification capacity: O2=20L and H2O= 950g

Purity level: <1ppm O2/H2O

* Should come with Stand, height 1000 mm, with castors and machine feet
* Single filter Purifier Re-generable
* Automatic PLC controlled regeneration
* Rotary vane pump with Oil mist filter, Oil re-circulation
* Automatic gas ballast control, > 10m3/h, dual stage
* Vacuum pump off when antechamber not in use,
* Blower speed 20 m3/h
* Mini- Antechamber - ~ 150 (D) x 400 (L) mm, Hinged doors, with sliding tray
* One **O2 Analyzer**: Ranges in ppm: (0-100 ppm) either solid state or electrochemical sensors.
* One **H2O analyzer** : Measuring Range: 0 – 100 ppm ) either solid state or electrochemical sensors
* Should be upgradeable for remote monitoring of glove parameters, able to receive alerts and notification regarding upcoming maintenance schedule.
* At least 20 satisfied glove boxes installations in India with details to be provided.
* Full Warranty – 1 year
* A Conformity letter that the spare parts and accessories will be available for at least 15 years.
* Spare gloves – 2 pairs
* Spare O ring for gloves – 2 Pairs
* Spare O ring for mini anti chamber – 2 pairs.
* Glove port cover-1 no