

UNDER POSTING OF CERTIFICATE



Sardar Vallabhbhai National Institute of Technology,
Surat(GUJARAT)395007

Department of Chemical Engineering

Ref. No: DoChE/AAM/1148/2026

Date: 30/10/2026

SUB: Enquiry for Supply of Laminar Air Flow Cabinet (Vertical).

You are invited to quote your prices for purchase of **Laminar Air Flow Cabinet (Vertical)**. The quotation may be sent in a sealed envelope with the superscription "**Quotation with reference to the Enquiry No. DoChE/AAM/1148/2026**" addressed to **The Director, Sardar Vallabhbhai National Institute of Technology, Surat – 395007, Gujarat**, with kind attention to **Dr. Alka A. Mungray, Professor, Department of Chemical Engineering**. The quotation should reach the undersigned on or before **20/11/2026**.

The quotations should be furnish with the following information

1. The quotation for the above subject quote the rate and to be taken from our Institute includes labor charge, transportation etc. to take the time form various location of the institute.
2. If asked, samples are to accompany the quotations.
3. Tax, Custom duty, Insurance charges, packing and forwarding charges, if not included under the price quoted, should be clearly specified.
4. The period of validity of the quotation must be specified Offers subject to prior sale may please be avoided.
5. The supply period is to be clearly mentioned in the quotation.
6. The mode of delivery of the stores may be mentioned. The delivery should be F.O.R SVNIT, Surat.
7. All concessions available to an educational institution should be specified and also taken into account while quoting.
8. Payment will be made only after satisfactory of the supplied items.
9. Your specifications and terms conditions should be on your company letterhead & signed by an authorized person.
10. Please attached PAN Card and Experience certificate/Installation certificate for same instruments.
11. Offered Quotation may be rejected if any ambiguity is found in the offered specifications, terms & conditions supplied by the party in specified tabular format.
12. The Director/Institute reserves the right to accept stores which are not strictly in confirming with the specifications, but otherwise found suitable.

Yours faithfully,

Head, DoChE

Item Description

Sr. no.	Item	Quantity	Unit Price (Rs.)	Total Price (Rs.)
1	Laminar Air Flow Cabinet (Vertical), Microprocessor Based, SS Frame (3 × 2 × 2 ft)	01		

Detailed Specifications:

Technical Specification(s)		
Sr. No.	Parameter(s)	Specification(s)
1	Material of Construction (MOC)	Double-walled Stainless Steel 304 grade
2	Inner Chamber Size	3 ft × 2 ft × 2 ft (W × D × H)
3	Work Table / Platform	Stainless Steel 304 grade
4	Air Flow Direction	Vertical
5	Pre-filter Media	Synthetic, non-woven polyester fibres, 10-micron HDPE
6	Pre-filter Efficiency	90%
7	HEPA Filter Media	Imported ultra-clean glass fibre paper
8	HEPA Filter Size	3 ft × 2 ft × 6 in; 1 unit
9	HEPA Filter Efficiency	99.97%
10	Blower Assembly	DIDW type, ISI-marked assembly motors
11	Door	Acrylic door, UV-resistant, vertically movable up and down with counterbalance mechanism
12	UV Tube	1 × 20 W
13	Fluorescent Tube	1 × 20 W
14	Pressure Gauge	Magnehelic gauge, 0–50 mm
15	Noise Level	≤ 65 dB
16	Power Supply	220–230 V AC, 50 Hz, single phase
17	Warranty	Minimum one year comprehensive warranty

Other Specifications and features:

- Body Construction:** The body is robustly constructed using double-walled Stainless Steel 304 grade.
- Cleanliness Standard:** The unit meets the U.S. Federal Standard 209E (Class 100 purity).
- Joint Sealing:** All joints are sealed with scholastic sealant.
- Transparent Panels:** The front and side panels are made of fully transparent, UV-resistant polycarbonate sheets fixed with clamps.
- Filtration System:** The unit is fitted with a pre-filter followed by a highly efficient HEPA filter with efficiency high as 99.99%. The HEPA filter is specified to retain airborne particles of size 0.3 microns and larger.
- Blower and Motor Assembly:** The blower and motor assembly is ISI-marked and statically and dynamically balanced using a dynamic machine.
- Blower Installation:** The blower assembly has a high-RPM motor enclosed in an SS casing, suitably suspended on a pair of springs and connected to the filter chamber through a flexible canvas duct.
- Vibration Control:** Blowers are mounted on vibration-isolation mounts to minimize vibration.

9. **Working Comfort:** The working table height is designed to provide a comfortable sitting position during operation.
10. **Control Panel:** Individual control switches and indicators are provided for the blower, UV light and fluorescent light.
11. Complete unit with all standard accessories and installation, Digital display for operating parameters.

Standard accessories included:

1. Magnehelic gauge.
2. LCD/control panel with:
 - Main power ON/OFF.
 - UV light ON/OFF.
 - Blower ON/OFF.
 - Fluorescent light ON/OFF.
 - UV timer.

AKS