



SAI SAMARTHA ENTERPRISES

**MFGRS : Of Clean Air Equipments, Air Shower, Laminar Flow Work Stn, Pass Box,
Air Filtration Module, Bio-Safety Cabinets, Garment Cabinet, Air Curtain.**

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Technical Specification for Positive Pressure Module – 500 Cfm

PPM For	:-	Growth Room Room Size - 14' x 29' x 9'
Model	:-	SSE/PPM/15-P
Type	:-	Window Mounting
External Dimensions	:-	W 750 mm x H 750 mm x D 700 mm.
Cut out size for machine mounting	:-	W 760 mm x H 760 mm
Required Supply provision	:-	6 Amp. Single Phase Electrical Point.
Final Supply Filter	:-	Mini-pleat 0.3 μ Hepa filter, Box Type, Sub Micronics Glass Filter Media, Efficiency 99.99% down to 0.3 micron Particle size, Aluminum Extrusion Anodized Casing. EU Classification – EU 13, Filter Size :- 610 mm x 610 mm x 70 mm Qty. – 01 No.
Pre-filter	:-	Box type pleated efficiency 90% down to 10 micron, HDPE + Non woven + HDPE mesh media, aluminum casing, Filter Size :- 450 mm x 450 mm x 50 mm. Qty. 01 No.
Motor	:-	Crompton make, ¼ HP, 220 Volt, 1400 RPM, 50 HZ, 1.3 A. Quantity :- 1 No.
Casing	:-	Fiber Glass 02 Nos.
Blower	:-	Aluminum Anodized Impeller. Quantity :- 02 Nos.
MOC	:-	MSCRCA, 1.2 mm thick sheet oven baked powder coated after seven tank phosphating process shade – Glossy white Or S. S. 304, 1.2 mm thick sheet, Mat Finished
PERFORMANCE	:-	
Air Cleanness	:-	Class 100 (As per U. S. Fed, Std. 209E) ISO Class - 5 (As per ISO – 14644.1)
Efficiency Of Hepa Filter	:-	99.99 % down to 0.3 micron particle size.
Air Flow Rate	:-	0.7 M/Sec. + / - 0.1 M / Sec.
Noise Level	:-	Less than 70 dB
Air Volume	:-	500 CFM

Positive Pressure Module – 300 CFM

PPM For	:-	Inoculation Room Room Size - 14' x 11' x 9'
Model	:-	SSSE/FM/10 - P
Type	:-	Window mounting.
External Dimensions	:-	625 mm x 625 mm x 625 mm
Wall cut out size for machine mounting	:-	W 635 mm x Ht 635 mm
Required Supply provision	:-	220 Volt, 1 Phase, 50 Hz, 6 Amp. Switch socket
Final Supply Filter	:-	Mini-pleat 0.3 μ Hepa filter, Box Type, Sub Micronics Glass Filter Media, Efficiency 99.99 % down to 0.3 micron Particle size, Aluminum Extrusion Anodized Casing. EU Classification – EU 13, Filter Size :- 450 mm x 450 mm x 70 mm Qty. – 01 No
Pre-filter	:-	Box type pleated efficiency 90 % down to 10 micron, HDPE + Non woven + HDPE mesh media, aluminum casing. Filter Size :- 450 mm x 450 mm x 50 mm. Qty. - 01 No.
Motor	:-	Crompton make ¼ HP, 220 Volt, 1400 RPM, 50 HZ, 1.3 Amp. Quantity - 1 No.
Casing	:-	Fiber Glass 02 Nos.
Blower	:-	Aluminum Anodized Impeller. Quantity - 2 Nos.
MOC	:-	MSCRCA, 1.2 mm thick sheet oven baked powder coated after seven tank phosphating process, Shade – Glossy White OR S. S. 304, 1.2 mm thick sheet, Mat Finish
PERFORMANCE	:-	
Air Cleanness	:-	Class 100 (As per U. S. Fed, Std. 209E) ISO Class - 5 (As per ISO – 14644.1)
Efficiency Of Hepa Filter	:-	99.99 % down to 0.3 micron particle size.
Air Flow Rate	:-	0.6 M/Sec. +/- 0.1 M/Sec.
Noise Level	:-	Less than 70 dB
Air Volume	:-	300 CFM