



Innovative Air Solutions
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TECHNICAL SPECIFICATION

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Superseds	:
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FLEXAIR Air Purification System Sizes 350-3400

FLEXAIR Air Purification System (APS) cabinet type for fresh air comes with following outstanding features

- Made of extruded aluminium profiled frame.
- Double skin casing-outer casing made of pre coated sheets. Inner casing made of galvanised steel sheet.
- Casing/panels insulated with fiber glass insulation crown-300 (40 kg/cubic metre).
- Casing thickness 25/50mm thick panels
- The casing meets the provision of tightness class L1.
- Supply air pre G4, chemical filter, pre G4, fine filter F7, fine filter (F9) & fan sections.
- Chemical filter matrix is formed honeycomb matrix based micro-porous chemical filter.
- The filter have low pressure drop.
- Chemical filter depth is 200mm.
- Chemical filter have large amount of impregnated chemical typical 15% for $KMnO_4$ for the chemical reaction for maximum efficiency for given physical size and geometry of the media matrix.
- Chemical filter is designed for 400-500 fpm.
- Factory wired control panel.
- Port for pressure differential measurement across the filters.
- Direct driven high efficiency plug fans.
- The fan wheel & housing is fabricated from heavy gauge galvanised steel sheet.
- Available in 5 sizes, with air flow range of 350-3400 m³/h
- Duct connection frame.

Fresh Air Purification System consists of a number of complete functional section



S. No.	Model	Air Flow	Unit Dimensions (mm)			Motor (kW)
			Length	Width	Height	
1	APS-350	350	2300	750	700	1.6
2	APS-850	850	2300	750	700	1.6
2	APS-1700	1700	2300	750	750	1.6
3	APS-2500	2500	2445	750	850	3.3
5	APS-3500	3400	2445	1130	850	3.3

Motor kw is based on 250 PA ESP and with EC Fans.