

IF-SPV OVERPRESSURE UNIT

Vertical recirculation and overpressure unit



Product description:

Vertical chemical air filtration unit, widely used for removing corrosive compounds, foul, and contaminating gases. Includes a controller to regulate pressure and air recirculation flow.

Application:

Overpressure and recirculation within electrical rooms to prevent corrosion due to environmental pollution. Commonly used in the pulp and paper industry, refining and petrochemicals, water treatment plants.



Molecular filter media

Specifications of filter units:

Dimensions (mm)	760 wide x 760 deep x 2350 high
Construction material	Aluminum, stainless steel, and painted galvanized steel
Housing	Double-walled insulated panels mounted to a frame with invisible screws
Placement	Vertical inside
Inlet flange	200x300 mm on the top (other options available)
Recirculation grille	150x450 mm at the front (other options available)
Outlet grille	150x450 mm at the bottom front (other options available)
Recommended max. airflow	1700 m ³ /h (standard airflow 1000 m ³ /h)
Filter media load	2 banks with 4 V-Pack KG12 modules each
Dust filters	1" G4 pre-filter and 4" F8 final filter (other options available)
Blower (others optional)	CE centrifugal fan 820w 3ph with corrosion protection
Manometers (other options optional)	2 x 0-500 Pa differential gauge for soot filters 1 x 0-60 Pa differential gauge for room pressurization
Control (other options optional)	External start-stop button and potentiometer

Specifications of chemical filter media:

- Alphachem 15: Specially impregnated activated aluminum oxide adsorbent for removing hydrogen sulfide and other acidic gases.
- Alphachem 8: Potassium permanganate impregnated (8%) aluminum oxide adsorbent, widely used for removing hydrogen sulfide, mercaptans, NOx, formaldehyde, ethylene, and others.
- Alphablend 8A: Blend of Alphachem 8 and 4mm pellets of premium virgin activated carbon to also capture VOCs.