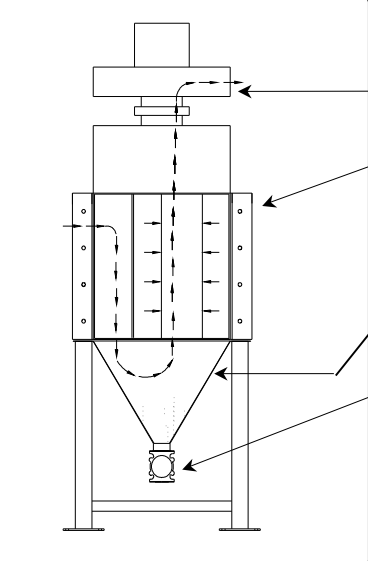


# DUST COLLECTOR

(Pulse – Jet Type)

Dust Collector (pulse-jet type) designed and built by Devi Polymers provides a pollution free, safe environment for industrial use.

	<h3>Construction Features</h3> <p>Dust Collector comprises:</p> <ul style="list-style-type: none"><li>• Blower Unit / with pulse-jet</li><li>• Filter Unit – This unit is constructed / assembled using hot compression moulded FRP (SMC) panels in which the pleated bag filter is rigidly mounted.</li><li>• Collector Unit – Powder coated mild steel conical hopper with a superior inside surface finish to avoid internal accumulation of dust.</li><li>• Rotary Air Lock for continuous dust removal into disposal bags</li></ul>
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## Salient Features of Dust Collector

- The pleated filter bag Nordic brand (Denmark) is anti-static type, pleated polyester veil with high efficiencies up to 99.999% of 0.3 micron particles with very easy release characteristics and high tolerance to moisture and temperature
- Hot compression moulded FRP (SMC) filter unit / body has a see through toughened glass window to view the internal functions of the system
- Pressure sensor provided to automatically control the set differential air pressure  $\Delta p$
- Purging done at specific time intervals or at pre-set differential pressures ( $\Delta p$ ) to periodically remove accumulated dust particles from filter, improving life and efficiency of system
- Accurately machined rotary air lock ensures removal of dust particles from dust collector to the disposal bags
- PLC control sequence available for auto-setting of various possible operating conditions
- Available in various flow rates ranging from 500CMH to 10000 CMH ( $m^3$  per hour), with high suction pressure



1000 CMH capacity (2HP Motor)

## Application Field

Filtration of dust in Metal, Wood, Paper, Shot blasting, Foundries, Mining, Fiberglass, Cement, Chemical, Pharmaceuticals, Welding, Mineral, Processing and many more industrial applications.

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