

Polex Environmental Engineering Pty Ltd
ACN 121 129 842

Polex™ MODEL HIGH VAC FIXED

Description

The High Vacuum Reverse-Pulse Bag Filter series is of a robust and efficient range of dust collectors. Tubular filters permit reliable dust release. These systems are ideally suited to high vacuum continuous operation.

Operating Principle

Polluted air enters through the hopper and is directed through the array of tubular filters. Larger particles drop out into the hopper while lighter and finer particles continue to the array of filters. The cleaned air is then discharged to atmosphere or through discharge ductwork.

Cleaning Mechanism

Compressed air is ejected through a series of solenoid valves which travel through each row of filters. The air causes the dust to fall off the filters and collect in the bin below.

Filters

Polyester needlefelt.

Construction

3mm thick welded mild steel construction. Painted finish.

Applications

- Pneumatic conveying systems.
- Industrial centrally ducted vacuum systems.



High Vacuum Reverse Pulse Tubular Bag Filter

- Suitable for a range of applications
- Available in Stainless Steel

Dust Collector		Filters	
Model	HIGH VAC FIXED	Quantity	4
Type	Reverse-Pulse	Material	Polyester needlefelt
Overall Dimensions	~ 830mm dia x 2000mm high	Diameter	120mm
Discharge Diameter	100mm	Length	1000mm
Valves		Total Filter Area	4.5m ²
Voltage	24VDC	Construction Details	
Quantity	4	Construction Material	Minimum 3mm thick mild steel
Control System	Electronic pulse sequencing	Finish	Painted
Options			
Fans	Inlet plenum	Explosion vents	Stainless steel
Rotary valves	Service platform	Magnehelic gauges	Dampers
Silencers	Bin level sensors	Antistatic cartridges	PTFE cartridges