

Polex Environmental Engineering Pty Ltd  
ACN 121 129 842

**Polex™ MODEL HIGH VAC COMPACT 7.5 kW**

**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 solenoid valve which travels 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**

1.6 mm thick welded mild steel construction. Powdercoated finish.

**Applications**

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



Model HV7.5

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

Dust Collector		Filters	
Model	HIGH VAC COMPACT 7.5 kW	Quantity	7
Type	Reverse-Pulse	Material	Polyester needlefelt
Overall Dimensions	1100 x 700 x 1500mm high	Diameter	125 mm
Discharge Diameter	63 mm	Length	900 mm
<b>Valves</b>		Total Filter Area	2.3m <sup>2</sup>
Voltage	24VDC	<b>Construction Details</b>	
Quantity	1	Construction Material	Minimum 1.6mm thick mild steel
Control System	Electronic pulse sequencing	Finish	Powdercoated
<b>Blower</b>		<b>Options</b>	
Type	Side Channel Blower	Explosion vents	Stainless steel
Motor	7.5 kW, 3 phase	Magnehelic gauges	Dampers
Capacity	450 m <sup>3</sup> /h @ -20 kPa	Antistatic cartridges	PTFE cartridges