

Polex Environmental Engineering Pty Ltd
ACN 121 129 842

Polex™ MODEL eCOMPACT 3000 5.5 kW 80 L

Description

The Polex eCOMPACT 3000 is a shaker type dust collector with built-in fan and cleaning motor. Shaker systems are suited to applications with intermittent operation to enable regular cleaning. No compressed air is required for these systems.

Operating Principle

Polluted air enters through the hopper and is directed through an array of heavy-duty filters. An extraction fan is housed in an acoustically lined chamber at the top of the unit which draws the dusty air through the filters and discharges the cleaned air to atmosphere or discharge ductwork.

Cleaning Mechanism

Cleaning is accomplished by a vibrating motor shaking the frame from which the filter bags are suspended for a preset time. The vibration produced shakes off the dust cake. The extraction fan must be off for the shaker cleaning cycle to commence.

Filters

Antistatic Polyester needlefelt.

Construction

Bolt-together 1.6mm thick sheetmetal panel construction. Durable powdercoated finish.

Applications

Most dust types.

Options

- Explosion vents
- Ducting
- Silencers
- Stainless steel construction
- Hazardous zone rated motors
- **Compliant with NSW Department of Commerce dust collector specifications**
- **Compact all-in-one design**
- **Suitable for a range of applications**
- **Supplied complete with start-stop controls**
- **Ideal for workshops in Schools, Tafe Colleges and Universities**



Dust Collector		Filters	
Model	eCOMPACT 3000	Type	Cylindrical bag
Type	Shaker	Material	Antistatic Polyester needlefelt 550 g/m ²
Capacity	2,700 m ³ /h @ 2,700 Pa	Total Filter Area	24 m ²
Overall Dimensions	~1,150 x 800 x 2,750 mm high	General	
Inlet Diameter	1 x 225 mm dia	Control panel	Direct on line
Fan		Bin	1 x 80 L
Motor power	5.5 kW	Construction Details	
Motor speed	2800 rpm	Construction Material	Mild steel
Full load current	10.1 A	Finish	Powdercoated

Important note: Fires and dust explosions can be caused by various ignition sources including sparks and optimum dust concentrations etc. We recommend fitting dust collectors with explosion vents and locating them outside of buildings to reduce the risk of damage to property and personnel in the event of an explosion or fire.

www.polex.com.au