



DISAB Vacuum Unit PES-101

Usage

DISAB PES-101 units are a series of free standing vacuum units, to be used in conjunction with any type of filter separator. DISAB PES-101 creates vacuum and air volume needed for conveyance of bulk material or vacuum cleaning operation.

Conveyed material shall not reach the PES unit but be filtered and collected in suitable model of filter separator, depending on material to be conveyed. The benefit of this separate vacuum unit is, that it can be used in conjunction with any type of filter separator. Connection to filter separator is made through a flexible hose or a fixed steel pipe.

Characteristics

DISAB PES-101 is to be used in any industrial application where reliable and rigid units are requested for creation of high vacuum and large air volume. The unit is delivered with an electrical panel comprising all controls for start/stop and operation of the unit, as well as controls for selected filter separator, i.e. filter cleaning, discharging, etc. Typical users are Energy & Power plants, Cement & Concrete, Pulp & Paper, Bulk & Minerals, Steel & Foundry, Building Material, Cleaning Contractors and more.

Benefits

DISAB PES-101 meets the high demands from the industry due to its efficiency, reliability, ease of operation and maintenance giving excellent value for money.

Other benefits include:

- Can be used for both indoor and outdoor operation.
- Equipped with exhaust silencer and insulated housing for low noise emission.
- Easy to transport/install with built-in holders for forklift, or lift with a crane.
- High capacity using a Roots pump.
- The vacuum pump and the electrical driven motor are placed inside a rigid and insulated housing of steel.
- The housing is equipped with doors on both sides for easy access during maintenance and service.
- The unit is delivered with an electrical panel comprising all controls for start/stop and operation of the unit, as well as controls for selected filter separator, i.e. filter cleaning, discharging, etc. Safety devices for overheating, max vacuum and motor over load is standard.

Technical Data Chart for DISAB vacuum unit PES-101

Description

Vacuum pump	Roots pump
Air volume m ³ /h (unloaded)	1,860 (30) 2,240 (37) 2,610 (45)
Voltage frequency, V/Hz	400/50
Hose Pipe Connection,dia.(mm)	152

Max vacuum, mbar	500
Electrical Motor, kW	30 37 45
Safety Filter Surface (m ²)	9
Noise Level dB(A) (at 1m/5 m distance)	65 (30) 67 (37, 45)

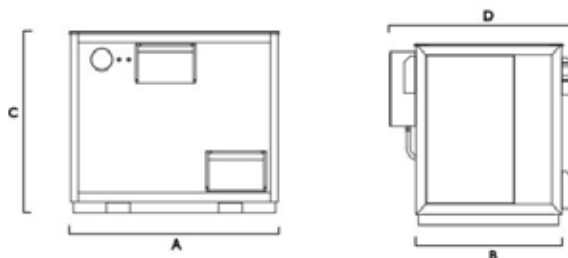
Miscellaneous

Hose connect (diameter, mm)	152
Painting	Class C2, color RAL 3003 red

Material	Steel S 235 JG2
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Weight and Dimensions

A x B x C x D (mm)	1,680 x 1,180 x 1,480 x 1,490
Weight, kg (approx)	1,570 (30) 1,670 (37) 1,750 (45)



DISAB PES-101 comes with a complete control cabinet, which includes all equipment for easy use. With the help of the built-in fork aisles and lifting loops, you can easily move the vacuum unit, using a forklift or crane.

DISAB vacuum unit PES-101 is designed for stationary installations and shall always be connected to a filter separator to make a complete vacuum system.