



The PES 5 unit shall always be connected to a filter separator to complete a vacuum system

PES-5

The PES Vacuum units meet the high demands from the industry due to its efficiency, reliability, ease of operation and maintenance giving excellent value for money.

The PES-5 units are a series of free standing vacuum units, to be used in conjunction with any type of filter separator. PES creates the vacuum and air volume needed for conveyance of bulk material or vacuum cleaning operation.

- Electrically powered vacuum pump of side-channel type
- Designed for high vacuum systems (30-40%)
- As standard equipped with safety valve
- Rigid steel construction and insulated housing
- Complete electrical panel for start/stop and controls
- Low noise operation
- Maintenance free operation

OPERATION

All PES-5 units are designed for, and shall always be used together with a filterseparator. Vacuumed material shall not reach the PES unit but be collected and filtered in suitable model of filterseparator, depending on material to be transported. The benefit of this separate vacuum unit is it can be used in conjunction with any type of filterseparator. Connection to filterseparator is made through a flexible hose or a fixed steel pipe.

The unit is delivered with an electrical panel comprising all controls for start/stop and operation

of the unit, as well as controlling the filtercleaning for selected filterseparator, i.e. filter cleaning, discharging, etc.

WHY PES-5

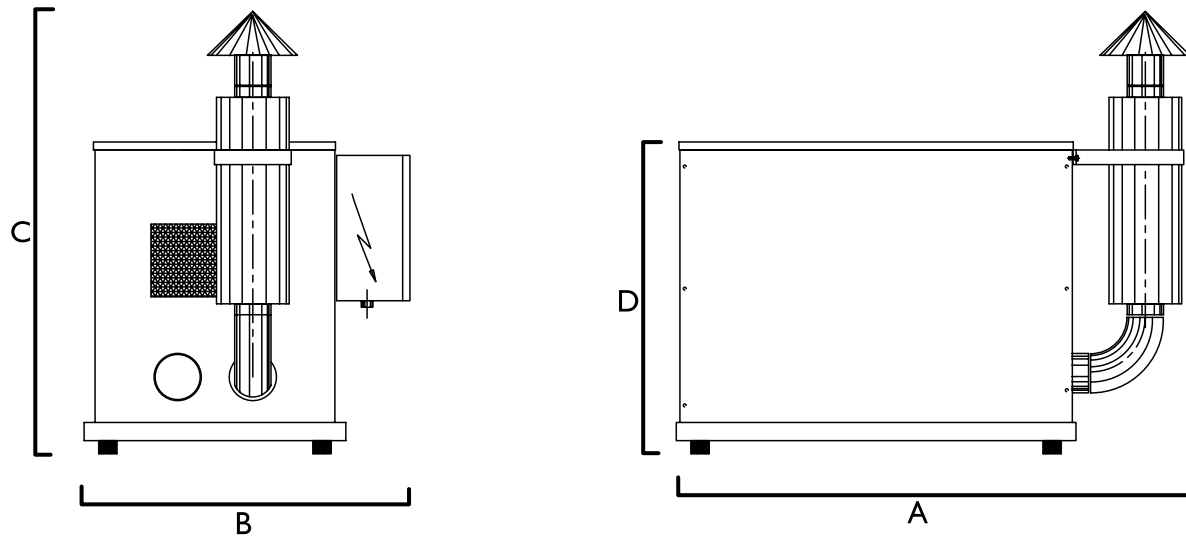
Highest demand for reliable operation, minimum of service, and easy to operate. Equipped with exhaust silencer and insulated housing for low noise emission. Safety device for; max vacuum, and motor over load protection is standard. Easy to transport/install with forklift.

APPLICATION

For use in any industrial application where reliable and rigid units are requested for creation of high vacuum and large air volume. PES 5 is designed for stationary installation, and can be used for both indoor and outdoor operation.

TYPICAL USERS

Manufacturers of Cement, Lime, Gypsum, Tiles, Ceramics, Chemicals, Plastics, Pulp- and Paper Industry, Thermo-electric Power Plants, Metal Workshops, Food Industry, Bakeries...



UNIT COMPONENTS

The main components of the PES 5 units are the vacuum pump and the electrical drive motor. Power from the electrical motor to the vacuum pump is transferred by direct coupling, which eliminates maintenance. Inside the rigid and insulated steel housing, is also installed the silencer, safety vacuum valve, and control sensors.

CONTROLS

Electrical panel for start/stop and control of the unit is placed outside of the housing. The front of the panel is equipped with push buttons for operation, indication lamps for operation mode / alarm, indication gauge for vacuum level, and emergency stop.

The controls also compromise the equipment for ATM filtercleaning, or if selected the Jet-pulse filtercleaning. Any selection of automatical discharge system for filterseparator is also built into the controls, as well as surveying systems for; motor overload, level control for filterseparator, timer stop or vacuumtimer stop of

the unit. If fault indication from any of these system, unit will stop and fault indication will light up. Sum alarm will be activated simutaniously.

MISCELLANEOUS

Dust emission: <10 mg/Nm³
 Hose connection: 108 mm
 Material: Steel SIS 1312
 Painting: Surface treatment and painting according to DISAB-TELLA standard, class M2.
 Colour, blue RAL 5007.

OPTIONS

- Other current than 3N x 400 V, 50 Hz
- Remote cable or wireless start/stop
- Star/Delta starter
- Customer painting specification
- 450 mbar execution
- Safety/control filter housing

Item \ Model		PES 5/5.5	PES 5/13	PES 5/18
Dimensions, mm	A	1390	1390	1390
(all dim. excl. frame)	B	920	920	920
	C	1200	1200	1200
	D	800	800	800
Weight, kg (approx.)		250	320	420
Max. Vacuum, mbar		270	320	400
Max. Air Volume, m ³ /h		550	1050	1100
Electrical Motor, kW		5.5	13	18
Voltage Frequency, V/Hz		400 / 50	400 / 50	400 / 50
Safety Filter surface, m ² (optional)		10	10	10
Noise Level, dB(A) (at 1 m distance: no hood/hood)		75/72	75/72	75/72
Hose Pipe Connection, dia. mm		108	108	108

We reserve the right to alter any specifications without prior notice

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