

E-PAK 500

Compact high vacuum unit, the ideal solution for removing dust and fumes



E-PAK 500 - small footprint, big performance

The compact E-PAK for multi-purpose use

The ideal solution for the extraction of sanding and grinding dust and for welding fumes. Also suitable for cleaning of the workplace and the shop floor. The E-PAK is a powerful vacuum unit and can serve up to six extraction points, all in use at the same time.

Typical areas of application can be found in welding shops, car body shops, construction industries, bakeries, industrial laundries etc.

Power control can be obtained by fitting automatic vacuum valves to the extraction points. The valves provide suction power when an operation starts. When the work stops and all the valves have closed again, the E-PAK unit will stop.

Low operating costs

Automatic vacuum valves offer substantial energy savings and make a small unit manage the job otherwise requiring a large unit. Using automatic valves multiplies the number of working points that can be served, by three to four times.

Low noise level is an obvious demand in today's working environment. E-PAK is developed to fit into normally noise sensitive premises thanks to efficient silencers and acoustic enclosure. The enclosure is easily removed for service.

Complete and ready to use

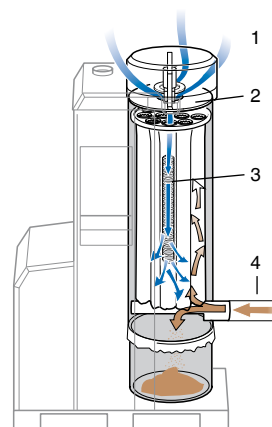
We can deliver complete installations but if you prefer to install your own E-PAK system, this is very easy to do. We can also offer accessories like cleaning equipment, vacuum valves, swing arms, welding guns and grinding tools with fume and dust extraction.

- *Low installation costs*
- *Low running costs*
- *Wide range of applications*
- *Low noise level*

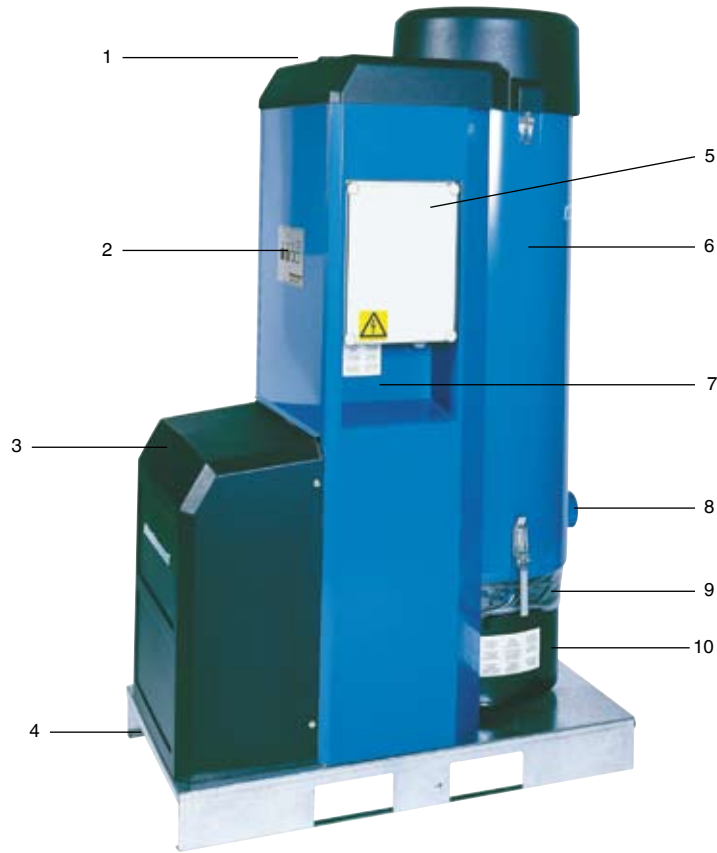
Unique and economic filter concept

The filter concept in E-PAK 500 is unique as it combines high filter efficiency with long lifetime. Filtration in two stages gives extremely long filter lifetime. A dynamic reducer separates coarse particles. Fine particles are separated on coated polyester filter socks. The coating prevents small particles from penetrating into the polyester. This means easily cleaned filters with a long lifetime. Dust separation according to BIA category U, S, G, C.

Automatic filter cleaning as standard. E-PAK uses filter cleaning by a short blast of reversed atmospheric air. By rapid opening of a valve located on top of the filters, a powerful air pulse is created, efficiently dislodging dust from the socks.



1. Atmospheric air during filter cleaning
2. Filter cleaning mechanism
3. Short blast of reverse air during filter cleaning
4. Air flow during normal operation



- 1. Discharge/Exhaust
- 2. Control panel
- 3. Acoustic enclosure
- 4. Frame for fork lift handling
- 5. Control unit
- 6. Dust collector
- 7. Compressed air inlet
- 8. Inlet
- 9. Plastic sack
- 10. Collection bin

E-PAK units for multi purpose use



On-tool extraction of sanding dust



On-tool trimming composites

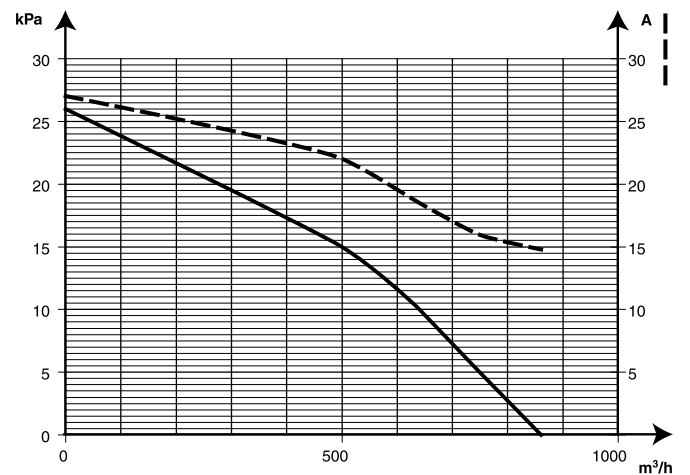


Cleaning in a bakery



Work floor cleaning

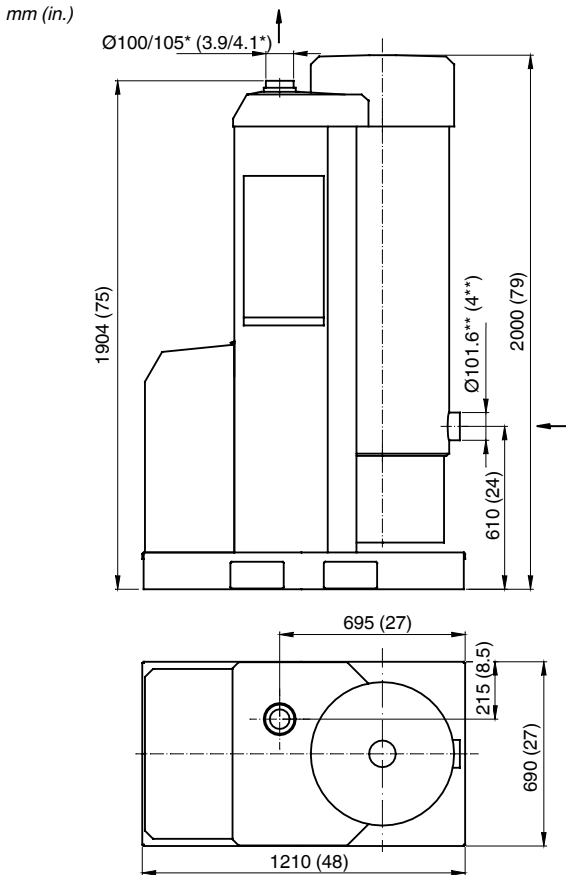
Fan diagram E-PAK 500



Accessories

- Discharge air silencer Ø 100 mm / 3.9 in.
- Maintenance switch
- Plastic sack 70 litre / 18 gallon (25 pcs pack)
- Service hour meter
- Week timer
- Compressed air switch

Dimensions Nederman E-PAK 500



*) outlet diameter inner/outer (spiro)
**) inlet outer diameter

Technical Data

Low installation costs:

- Unit complete with starter and control unit mounted on a profile frame
- No setting required at installation

Low running and maintenance costs:

- Long life filters: 8000 h with dust extraction, 5000 h with welding fume extraction
- Efficient filter cleaning method
- Direct driven fan with lifetime-lubricated bearings
- Automatic start/stop as option

Wide range of applications:

- Can be used for welding fume extraction, grinding dusts, general floor cleaning and machine cleaning
- As standard equipped with: automatic start/stop, automatic filter cleaning, acoustic enclosure

Low noise level:

- Fan mounted in acoustic enclosure

Model	Article number
E-PAK 500 230V 50Hz	40051420
E-PAK 500 400V 50Hz	40051430
E-PAK 500 208V 60Hz	40051440
E-PAK 500 230V 60Hz	40051450
E-PAK 500 460V 60Hz	40051460
E-PAK 500 575V 60Hz	40051470
E-PAK 500 400V 50Hz kit	40060310
E-PAK 500 230V 50Hz kit	40060490
E-PAK 500 575V 60Hz kit	40060520
E-PAK 500 380V 60Hz	40051355

Model	E-PAK 500	
Power	kW	13
Capacity free blowing	m ³ /h/cfm	860/506
Capacity at -15 kPa/60 in W.G.	m ³ /h/cfm	500/294
Maximum vacuum	kP/in W.G.	-25/100
Filter surface	m ² /sq.ft.	3,4/32
Filter life	h	4000-6000
Noise level ISO*	dB(A)	67
Weight	kg/lb	333/734
Filtration according to BIA category U, S, G, C.		

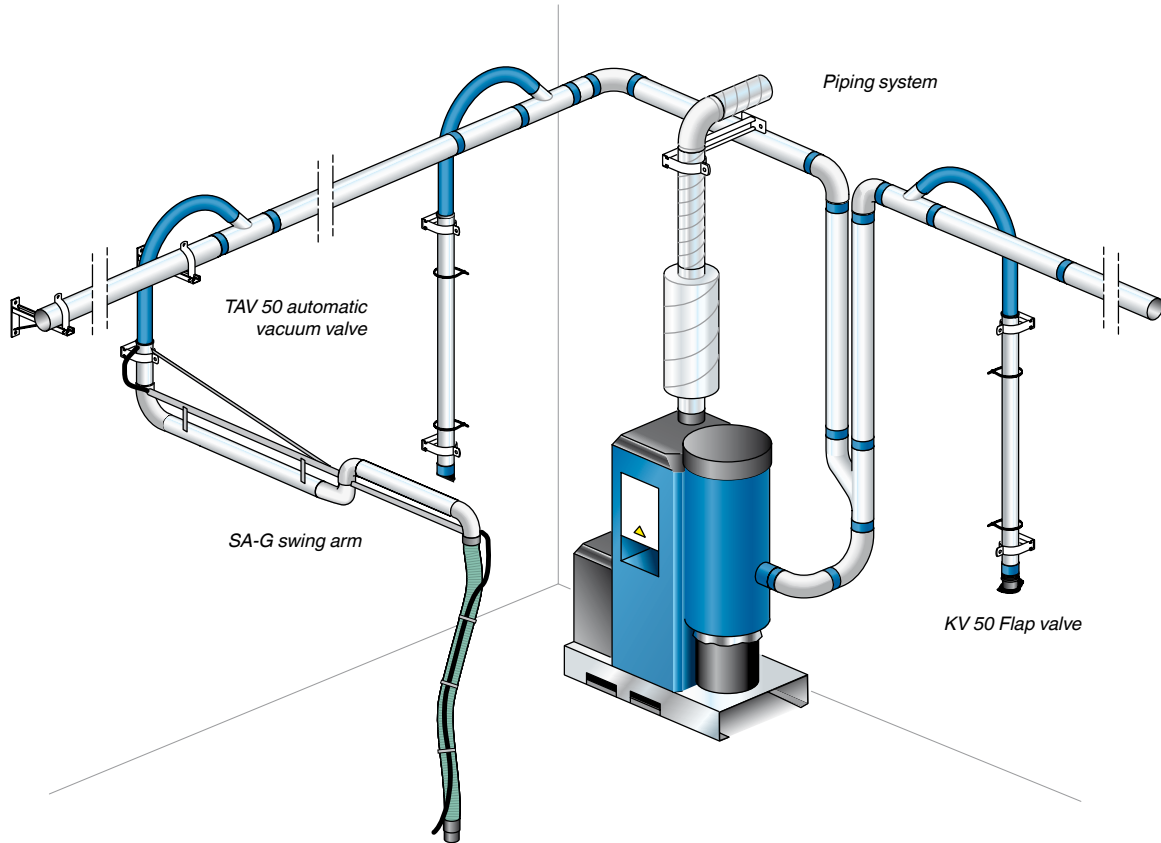
*at 1 m / 39 in.

Environmental data

- Low power consumption with automatic start/stop.
- Solvent-free washing and lacquering.
- Halogen-free (PVC-free) cables.
- Recyclable up to 91-95% (weight) depending on type.

Valves and swing arms complete your E-PAK system

Automatic vacuum valves allow 3-4 times more users



E-PAK is part of a system that can include automatic vacuum valves, flap valves and swing arms. Automatic vacuum valves offer substantial benefits in most installations. The valve opens automatically when extraction is required and closes again when there is no need for extraction. This way vacuum power is not wasted on tools and/or welding guns that are not in use.

Studies show that a tool (sanding, grinding, cutting) or a welding torch is seldom in use more than 25-30% of the working time. The automatic valves save energy,

reduce suction noise and ensure that suction power is available where and when it is needed. If no valve is open, your E-PAK will stop.

The swing arm offers maximum convenience when working with on-tool or on-torch extraction. The design ensures that the arm smoothly follows the tool.