

FlexPAK

The leading extraction solution. Always the right capacity.



The FlexPAK high vacuum unit represents the foremost solution on the market. The unit is designed for extraction of welding fume, grinding dust, metal chips etc. The FlexPAK is suitable for cleaning the workplace, the shop floor, and machines.

Demand controlled vacuum

The FlexPAK regulates the speed of the motor automatically depending on the vacuum demand. Compared to traditional controllers, the FlexPAK provides an optimal, and well-balanced vacuum according to the need, ensuring energy-saving operation.

PLC controlled filter cleaning

The filters are effectively cleaned by applying powerful air bursts to the filter through quick opening valves. The dust is knocked off by the impact and collected in the waste container. The sequence is controlled by the PLC and can be adjusted to suit every installation. This maximizes the life of the filter and ensures the correct functioning of the unit.

Alarms for safe operation

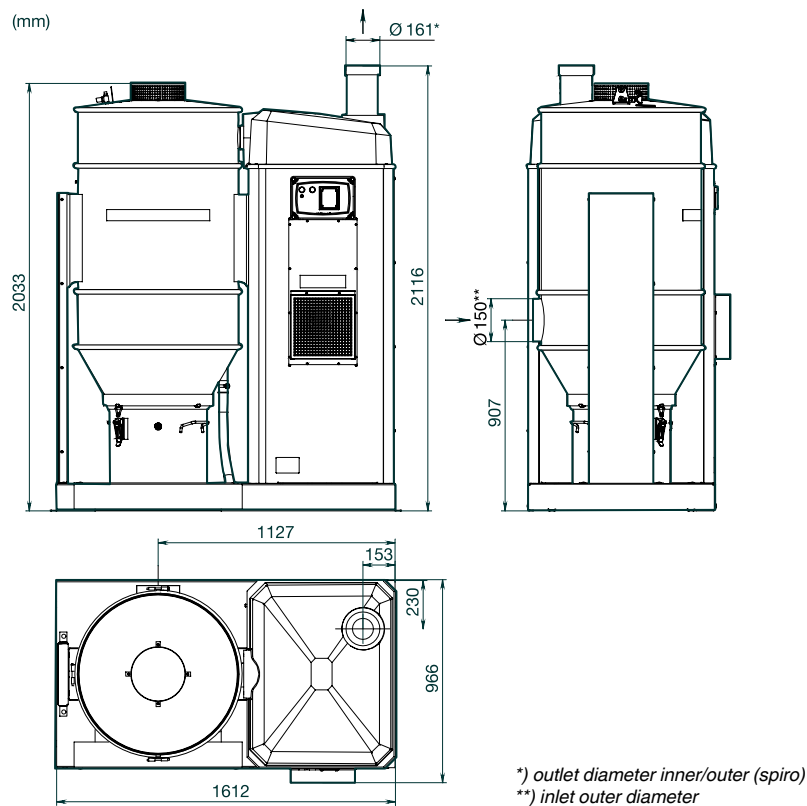
The FlexPAK can be fitted with different types of alarms, for example, level monitors for waste containers, filter indicators (for clogged filters) and fire alarms. Alarms can be activated at A and B levels and can be set to give both visual and audible signals.

FlexPAK800 is a high vacuum unit, suitable for applications where metal chips, stone pieces, gravel, shot blasting grit and other heavy material need to be removed.

FlexPAK1000 operates at a lower vacuum level and is suitable for extracting welding fume and grinding dust and for use where a constant airflow, independent of the number of users, is a requirement.

- *Low installation costs*
- *Wide application range*
- *Efficient filter cleaning method*
- *Low noise level*

Dimensions Nederman FlexPAK



Technical Data

Low installation costs:

- Unit complete with starter and control unit mounted on a profile frame
- No setting 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
- Can be used for welding fume extraction, grinding dusts, general floor cleaning and machine cleaning
- Reduced energy consumption with "powerlogic" function

Wide range of applications:

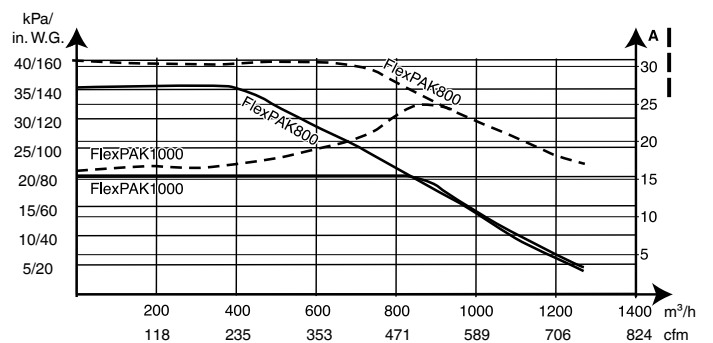
- As standard equipped with: automatic start/stop, automatic filter cleaning, acoustic enclosure
- Easy to configurate the filters according to customer demand:
- Filter based on flexfilter

Low noise level:

- Fan mounted in acoustic enclosure

Model		FlexPAK 800	FlexPAK 1000
Power rating	kW	18,5	18,5
Max airflow	m ³ /h/cfm	1300/765	1300/765
Airflow at 15 kPa / 60 in. W.G.	m ³ /h/cfm	-	1000/589
Airflow at 20 kPa / 80 in. W.G.	m ³ /h/cfm	800/471	-
Max vacuum	kPa/in. W.G	35/140	20/80
Filter area	m ² /sq.ft.	6/65	6/65
Container volume	L/gal	70/18.5	70/18.5
Sound level ISO	dBa	70	70

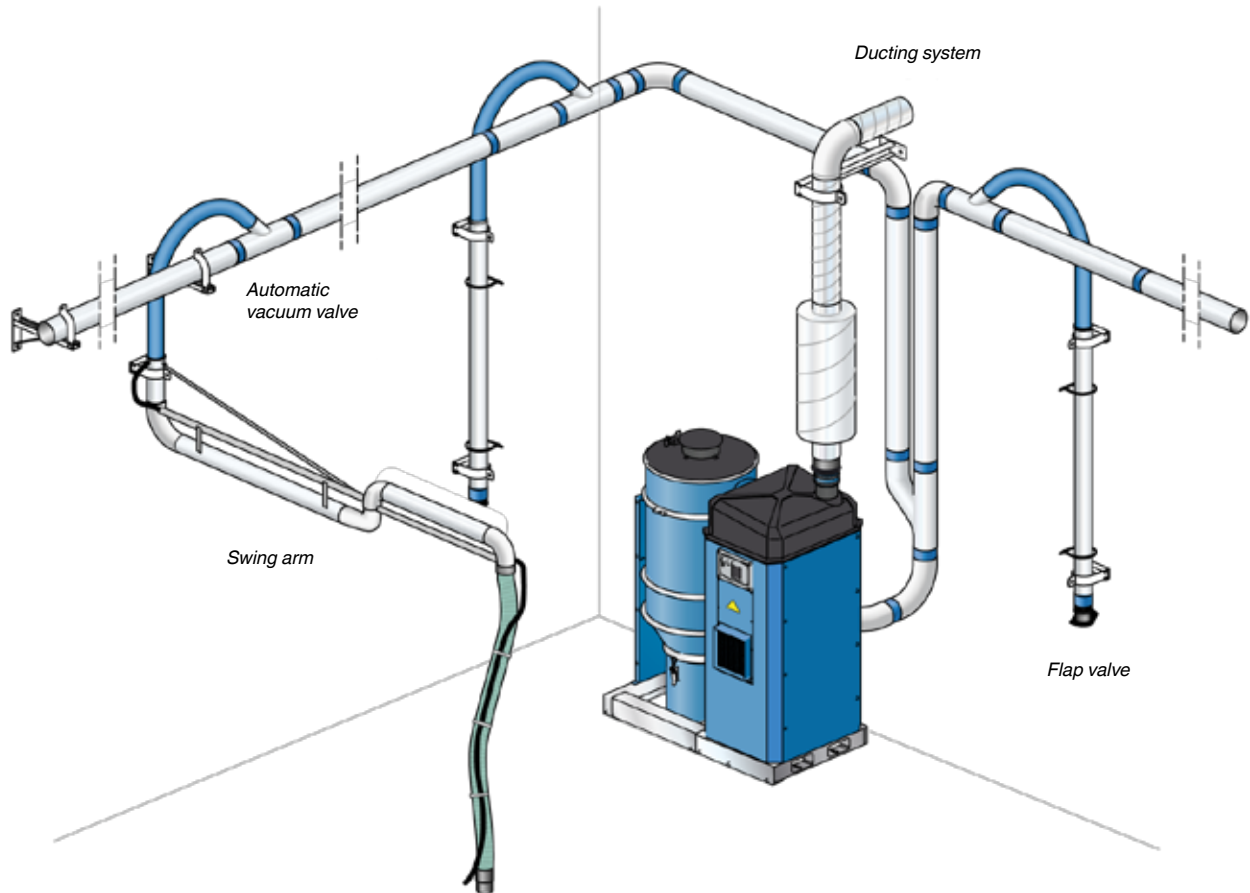
Fan diagram FlexPAK



Model	FlexPAK1000	FlexPAK800
460V 60Hz	40050150	40050160
400V 50Hz	40050180	40050170
400V 50Hz kit	40050220	40050200
460V 60Hz AEB	40050260	40050230
400V 50Hz AEB	40050250	40050240

FlexPAK Kits

A complete solution, installed and ready for use. A FlexPAK system can also include automatic vacuum valves and swing arms.



The automatic vacuum valves open when operations start and distribute the capacity of the unit to the extractors where suction is required. When all the valves are closed the unit shuts down, minimizing power consumption. The swing arms,

with suspended hoses for extractors connected to grinders and welding guns, are highly efficient and provide excellent ergonomics.