

Compact High Pressure Unit

Unit ALPA 5,5-S and ALPA 13,0-S



Description

General ALPA-5,5-S and ALPA-13,0-S is a compact extraction unit which is cleaned by using compressed air and which is delivered complete with a dust separator, cartridges, side channel fan, control cabinet and stand. The unit is intended for small engineering workshops, auto repair shops, food industry facilities, etc. All workplaces where it is necessary to vacuum clean and take care of dust and smoke from grinding, welding, polishing, etc. Most frequently in combination with central vacuum cleaning.

The extractor, consisting of a side channel fan, dust separator and control cabinet, is mounted on a steel pallet with all its electrical connections internal and a channel between the dust separator and the fan.

The exhaust air from the fan is led out into the premises via a silencer. Alternatively, exhaust air can be connected to an existing exhaust channel on the premises or out into the open air. As standard, the separator is supplied with a 50-litre dust container equipped with quick-locks for easy handling. It is also available with an optional 75-litre dust container.

Filter Cleaning

Using automatic cleaning while in operation, the separator works with a stable pressure drop and constant extraction power, largely independent of the period of operation. The filter cartridges are cleaned using short blasts of compressed air. Via a magnet valve, compressed air is fed to the venturi nozzles which boost the cleaning effect and provide even cleaning across all the cartridges. When the fan is turned off, the filter cartridges are additionally cleaned following an adjustable time/cycle.

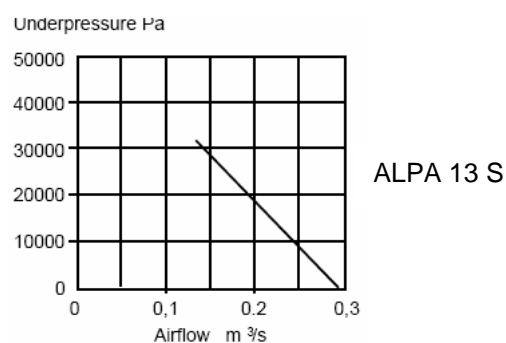
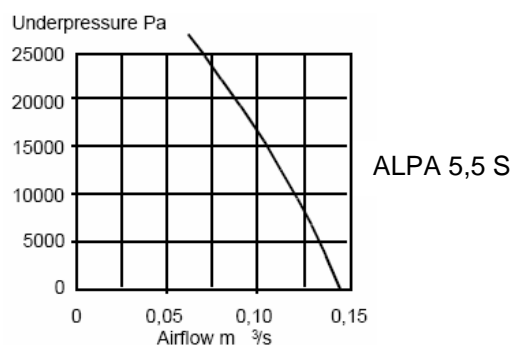
Accessories

Dantherm Filtration offers complete program of high vacuum pipesystem and cleaning systems.

Technical Specifications

The external electricity supply is connected to the control cabinet using a three-phase CEE connecting device. Compressed air is connected to the relief valve on the top of the separator using a 10 mm compressed air hose. To prevent the motor from overheating when the outlets are closed, the fan is equipped with a safety valve. The fan can also be equipped with a noise-reducing enclosure when required (optional).

Max. Gas temp.	+ 70°C
Separation	Depending on dust type, load and operating times. Normally > 99 %
Noise level	67 dB(A) 1 meter from unit with noise silencer on outlet
Filter area	4 m ² (5,5 S) 6 m ² (13 S)
Max subpressure	27.000 Pa (5,5 S) 31.000 Pa (13 S)
Airflow at 20.000 Pa	320 m ³ /h (5,5 S) 750 m ³ /h (13 S)
Motor power	5,5 kW (5,5 S) 13 kW (13 S)
Comp. air requirement	Max 2 l/s at 4 bar



Prices for resellers

Unit ALPA 5,5 S 6.332 EUR

Unit ALPA 13 S 8.054 EUR

*All prices are excl. VAT and freight cost.
DNPC prices march 2006.*