



INDUSTRIAL VACUUM SYSTEMS



Product group

Stationary
Vacuum Systems



DUST EXTRACTION

VACUUM CONVEYING

VACUUM CLEANING

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**Filter separator
FiltroJet Container**

Central collection of the extracted material, almost maintenance free, no need to transport and to discharge mobile vacuum cleaners.



Four 11 kW **MaxVac Central** vacuum units, safety filter, sound insulation housing.

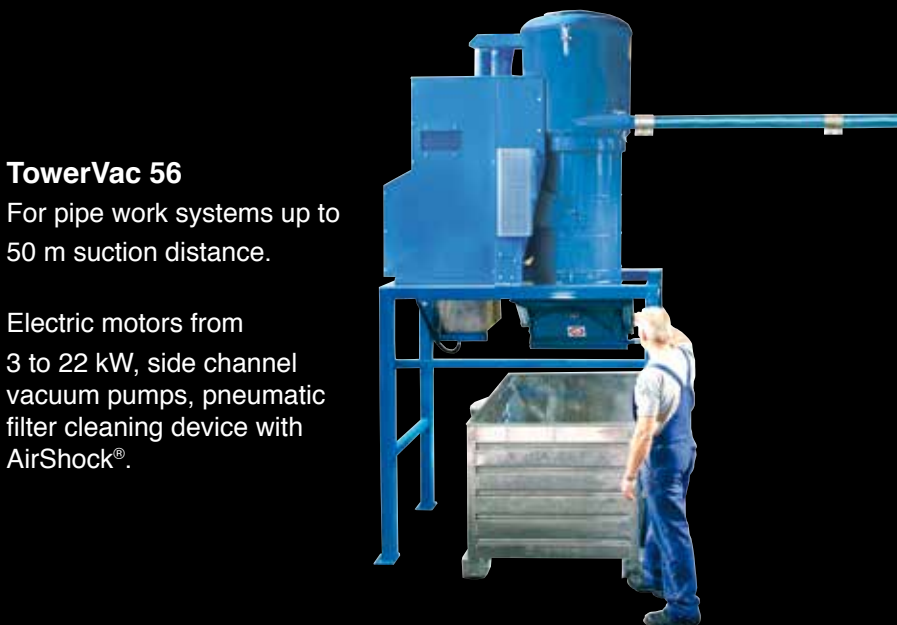


**Stationary vacuum unit,
type KS**

together with stationary filter hopper type FiltroJet for vacuum cleaning and conveying applications in metal, plastics, chemical or bulk handling industries

Electrically driven rotary piston pumps, from 22 to 110 kW

Stationary filter hopper with compressed air cleaning device and filter surface from 7 to 44 m²



TowerVac 56

For pipe work systems up to 50 m suction distance.

Electric motors from 3 to 22 kW, side channel vacuum pumps, pneumatic filter cleaning device with AirShock®.

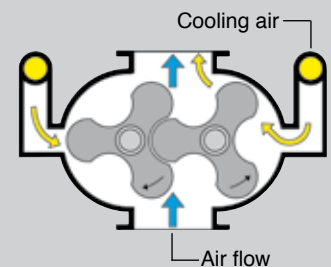
Vacuum pumps

Rotary piston vacuum pump,
max. vacuum 55 %



For extraction of material such as cement (piled weight up to 1.5 kg/l) and for horizontal suction distances up to 150 m

Three lobe rotary piston pump with pre-inlet cooling, max. vacuum 90 %.

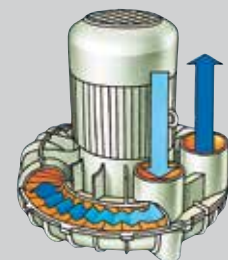


For heavy suction material (steel shot, wet sand, gravel, sludge).

Suction distance up to 250 m for vacuum conveying, up to 400 m for vacuum cleaning.

Pre-inlet cooling system, up to 90% greater suction power than standard vacuum pumps!

Side channel vacuum pumps



Side channel vacuum pumps are designed for continuous use. They are maintenance free and quiet. For light and medium weight suction material and for horizontal suction distances up to 100 m.

High performance filter model FiltroJet

High quality bag filter elements for the separation of difficult types of suction material (extremely fine or sticky dust).

Filter surface 5 to 26 m², discharge devices are designed according to the customer's requirements.



monobloc dust extractors

Interestingly priced series products with cartridge filters. Pneumatic filter cleaning device as basic equipment

The suction material is extracted directly at its source with the help of a flexible suction arm or with fixed suction nozzles and pipework systems.

Electric power from 1.5 to 7.5 kW
Airflow from 1500 to 6000 m³/h
Filter surface from 10 to 47 m².



Vacuum extraction unit MS-30

Extremely compact, 3 kW side channel vacuum pump.

For extraction from production machinery such as grinding machines, saws, presses. Floor surface <0.5 m², height 790 mm.



Dust extraction unit for explosive coal dust

Extraction of airborne coal dust when filling coal bunkers

Atex - Explosion relief valves with flame absorbers. The valves will be not destroyed by a dust explosion.



Explosion protection Atex

Disengagement of the suction pipework system from the explosion

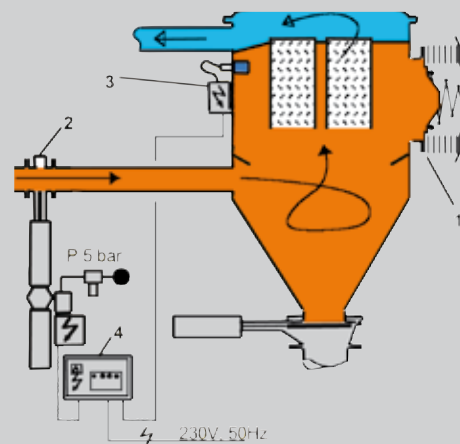
Pressure relieved vacuum units can use Explosion Protection Valves type RK instead of quick action slide gates with high maintenance requirement. Both systems shut off the suction pipeline in case of an explosion in the filter separator and prevent flames from igniting through the suction hoses. Both systems are certified according to Atex.



Explosion Protection Valve type RK – The economic solution, requires no electric or compressed air supply.

Vacuum unit with explosion relief valve and quick action slide gate for disengagement of the pipeline from the explosion.

Suitable for all types of dust of explosion classes ST1 and ST2 (coal, flower, sugar, plastics, paint powder, dried milk, etc.).



- 1 Pressure relief valve
- 2 Quick action slide gate or Explosion Protection Valve type RK
- 3 Explosion sensor
- 4 Electric control for quick action slide gate



Pressure indicator measures the filter resistance



Rotary valve discharges the collection container continuously



Electronic scale controls the filling weight of the BigBag



Vacuum units for production residues

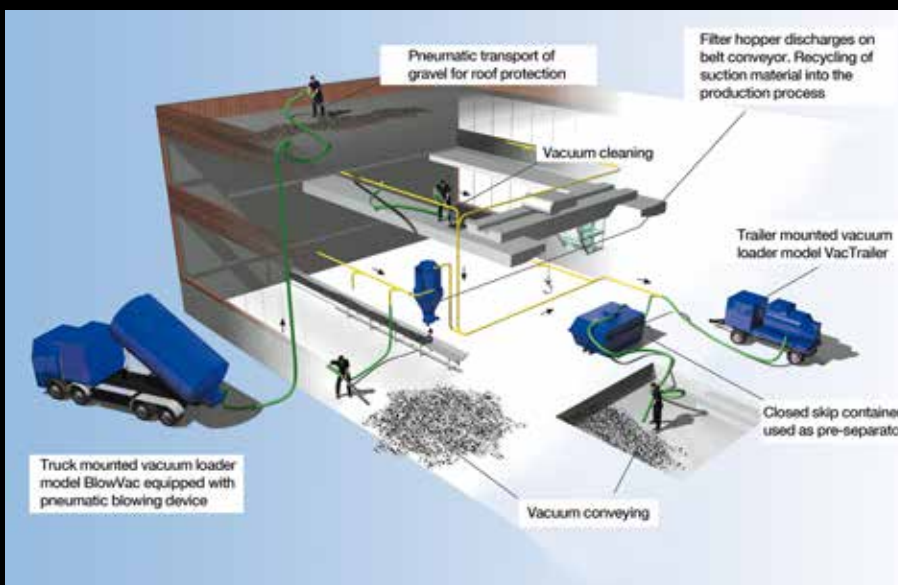
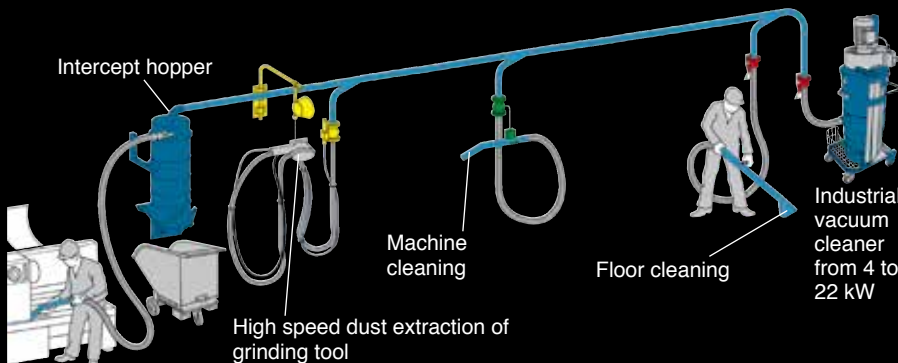
A directional point either discharges the suction material into a BigBag or returns it to the production process.

The level probe system stops the rotary valve when the BigBag is full.

Safe technology, proven components and 45 years of experience make us the first choice for our customers.

Pipework systems for mobile and stationary vacuum systems

Pipework systems bring the suction power to the work place. The material discharge is done centrally at a place where it is appropriate. Intercept hoppers can collect suction material which needs to be handled separately.



Pipework systems for vacuum conveying units

The pipework system brings the suction power to the work places. It can have any number of suction inlet valves.

Mobile or stationary vacuum units are used as vacuum producers.

The installed suction power defines the number and diameter of the suction inlet valves which can be open at the same time.

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