



INDUSTRIAL VACUUM SYSTEMS

Product Group  
Industrial Vacuum Cleaners

MaxVac Compact  
MaxVac Eco



Professional vacuum units for the bulk material industry, metal working industry and industrial cleaning contractors



**wieland lufttechnik**  
Wetterkreuz 12  
91058 Erlangen  
Germany  
Phone +49 9131 60 67-0  
Fax +49 9131 60 44 01  
info@wieland-luft.com  
www.wieland-luft.com

## MaxVac Compact. The right unit for tough industrial applications

### MaxVac Compact

The collection container is lifted and lowered using a toothed bar gear and crank.

The transport and discharge bar makes the transport of the collection container easy if it is filled with heavy suction material. The container has its own wheels and can be transported and discharged by crane or forklift truck.

The pneumatic AirShock® filter cleaning device makes it possible to use the unit for problematic types of dust where other industrial vacuum cleaners cannot cope. A compressed air connection is not required for this.



## MaxVac Eco 11 and 20 kW. Convincing suction and filter performance for highest demands

### MaxVac Eco

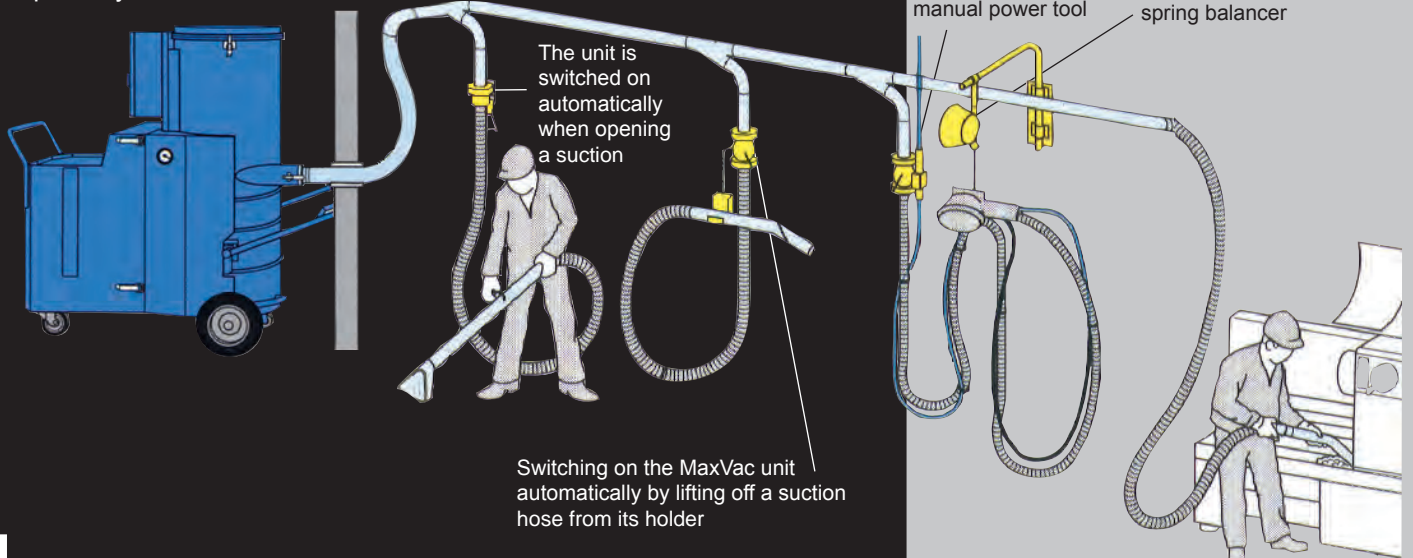
The right unit for a suction rate of up to 10 tons/h or for applications with large suction diameters of up to 100 mm or if long suction distances have to be overcome.

The oversize gear with smooth running wheels makes it easy to transport the heavy duty, robust unit.



## Connecting a MaxVac to a stationary pipework system

The suction power is available at the work place. The suction material is discharged at the most appropriate location. Intercept hoppers can separate certain suction materials from others and discharge them separately.



## Optional Equipment



### Collection container with conical outlet.

Discharges downwards. Trunnions for transport and discharge by forklift truck



### Intercept hopper

VEK-500, volume 0.5 m<sup>3</sup>. Increases the collection capacity. Possibility to use the customer's collection system.



### Geared tipping system

for controlled and safe discharge of the filled container

### Pneumatic AirShock® filter cleaning device,

cleans the filter continuously by reverse pressure impulses. Recommended if fine dust is regularly extracted. Keeps the filter resistance continuously low.



### Clamp strap with trunnions

for handling of standard 216 l drums (DIN 6644) with transport dolly DK-6



### Transport dolly DK-5/DK-6\*

picks up and transports standard 216 l drums (DIN 6644)

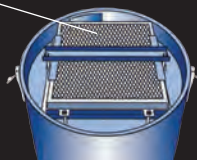
### Universal filling

level probe for dust and liquids, switches off the unit if the maximum filling level is reached



### Safety filter dust class H

for very fine and dangerous types of dust, protects the vacuum pump if the main filter is damaged



### Tailored PE-bags

can be inserted in the collection container. Fine dust can be handled practically dust free



### Transport and discharge handle

for the collection container. For forklift truck or crane



## MaxVac

The modular system which adapts to your requirements

### The MaxVac Concept:

The basic MaxVac models can be combined with a large variety of optional equipment in order to exactly meet your requirements.

Together with intercept hoppers optimum solutions can be configured - mobile or stationary. Separation of materials, controlled discharge of suction material, contamination free disposal- **anything is possible!**

Explosion proof versions are available according to ATEX Zone 22

MaxVac units are used successfully for vacuum cleaning and vacuum conveying in many industrial sectors:

Metal working industry, foundries, car industry, building material industry, paper industry, chemical and pharmaceutical industry, textile industry, plastics industry, wood industry, food industry, power plants and waste incineration plants, industrial cleaning contractors

### Technical advantages

Pneumatic AirShock® filter cleaning for continuously high suction power. Keeps the filter clean, also when working continuously. Designed for easy maintenance and easy handling.



The AirShock® inflates the filter pockets instantaneously. Accumulated dust drops off and falls down into the collection container

\* only for MaxVac Eco available

## Stationary vacuum units with pipework systems

bring the vacuum power to the work place.  
Side channel vacuum pumps up to a power of 20 kW.  
Filter hoppers and discharge devices such as rotary gate valves and slide gates are adapted to the requirements



5.5 bis 20 kW

## The alternatives to MaxVac:

### Mobile industrial vacuum cleaners

Wieland offers smaller and lower priced units for machine cleaning and for high speed dust extraction



IS-36, IS-46  
3 and 4 kW



IS-56, IS-76  
5.5 and 7.5 kW

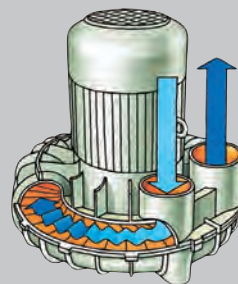
### Technical data

	Unit	MaxVac Compact 110	MaxVac Eco 110	MaxVac Eco 220
Electric power	kW	11	11	20
Max. airflow	m <sup>3</sup> /h	1140	1140	1200
Max. suction power	mbar	440 / 280	440 / 280	600 / 450
Suction inlet diameter	DN	100 MV	100 MV	100 MV
Collection drum	Liter	150	150	150
Filter surface of main filter, approx.	cm <sup>2</sup>	45000	50000	50000
Filter surface of safety filter, approx.	cm <sup>2</sup>	50000*	50000*	50000*
Dimensions (L x W x H)	mm	1460 x 850 x 1675	1760 x 1050 x 1680	1760 x 1050 x 1780
Voltage (50 Hz)	Volt	400	400	400
Weight approx.	kg	330	410	715
Fuse	Amp.	32	32	50
Noise level, without reflexions DIN 45635	dB(A)	72	74	74

\* optional equipment

# Safety

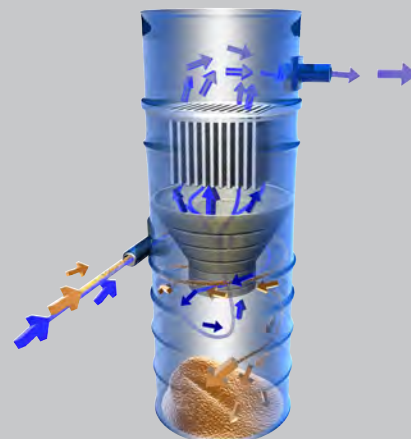
MaxVac helps you to maintain high standards of health and safety. Its safe design with minimum maintenance requirements guarantees a constantly high availability of suction power at the workplace



**Side channel vacuum pumps** are quiet, designed for continuous operation and maintenance free. **The 20 kW unit** has a maximum vacuum of 60 %

### Principle of operation:

The air in the cells of the flying wheel is accelerated and will be more and more compressed as it moves from one cell to the next



The **integrated cyclonic separator** directs fine dust almost completely and liquids completely into the collection container without affecting the filter