



Making Production Houses Dust Free

FOOD AND PHARMA SECTOR



Made in Italy



ONLINE DUST & TRIM EXTRACTORS



BA281



BAV362



A236



F340X1

The best partners for packaging professionals

This family of RGS vacuums is designed to solve all problems of dusting, cleaning and removal of waste which are relevant to the world of packaging, especially in the food and pharmaceutical industries.

The family includes:

- BA-BAV: fixed dust collectors in horizontal or vertical structure, with power from 0.37 kW to 4 kW and capacity from 3 to 25 liters, suitable for removing small quantities of material from process machines.
- A236-A336: real mobile vacuums with powers ranging from 1.5 to 2.2 kW and capacities from 25 to 48 liter, suitable for sucking substantial quantities of product from process machines, but also used at the end of the work shift for general cleaning of the working area.
- F230-F340: like the previous models but available also in **ATEX** version and with a full range of options of easy installation to make them particularly suitable in the pharmaceutical world.
- AS: vacuum cleaners for plastic waste or other materials usually produced by the packaging machines in the moment of the closing of the package; besides removing the waste, these vacuums compact it in the filter bag so to optimize the operations of emptying. They are available with capacities from 0.9 to 4 kW and containers from 105 to 215 liters.

An experience of over ten years in the field has led us to develop these vacuums in order to avoid the accumulation of debris in hidden areas and the white color is ideal to allow thorough cleaning of the vacuum cleaner. In addition to the versions in painted steel, RGS offers versions partially or **totally made of stainless steel AISI 304**, perfect for the recovery and reuse of the dusts and allowing therefore their use in the pharmaceutical industry.

Among the most important features:

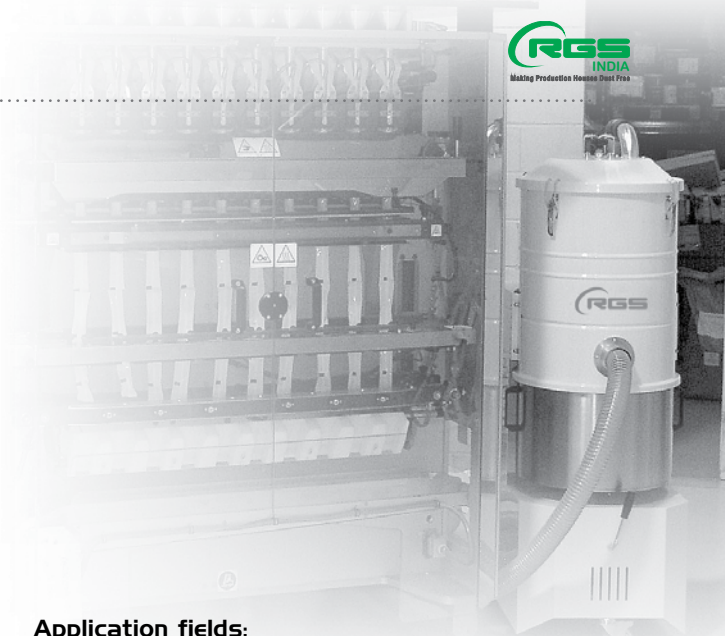
- suction units three-phase (or single-phase as an option up to 2.2 KW) with side channel to run 24 hours a day
- The most complete range in terms of power, capacity, and versions
- **Different categories of filtration:** polyester L (standard), M or H, nylon (AS) to allow the suction of any type of powder
- Wide range of accessories and options to make these vacuums easily fit into all the packaging machines
- **ATEX versions are as well available for use in hazardous areas or for sucking products with risk of explosion**



AS146X



AS556



Application fields:



PACKAGING



PHARMACEUTICAL



AGRI-FOOD



OEM



TEXTILE

MODEL	BA2205 BA/BAV2805 BA/BAV3605	BA/BAV281 BA/BAV361	BA362 BAV362 A236 F230	BA363 BAV363 A336 F340	BAV465	AS146	AS1546 AS1556	AS246 AS256	AS356	AS556
Mot. Pow.	0.37 kW	0.90 kW	1.5 kW	2.2 kW	4 kW	0.90 kW	1.1 kW	1.5 kW	2.2 kW	4 kW
Max. vacuum	160 mbar	230 mbar	250 mbar	310 mbar	400 mbar	230 mbar	230 mbar	250 mbar	310 mbar	400 mbar
Vacuum	110 mbar	150 mbar	210 mbar	200 mbar	200 mbar	150 mbar	175 mbar	210 mbar	200 mbar	200 mbar
Air flow	80 m³/h	150 m³/h	210 m³/h	310 m³/h	520 m³/h	150 m³/h	150 m³/h	210 m³/h	310 m³/h	520 m³/h
Size	3/9/12 L	9/12 L	12/25 L	12/48 L	25 L	105 L	105/150 L	105/150 L	150 L	215 L



COMPRESSED AIR VACUUM CLEANERS "AD"

AD36

The compressed air vacuum cleaners series "AD" are suitable where electricity is either absent or prohibited, working with compressed air and being free of moving parts. The vacuum is created by a "venturi" system. Versions X1-X2-X3 can be used in hazardous areas classified zone 21-20 internally: marking EX II 2/1D. They are equipped with an ejector Venturi, star filter Ø 360 (antistatic version for ATEX) and removable 25 litre container, made of stainless steel for ATEX versions. With its compact size, it is the smallest model of the range of compressed air machines.



AD46/60/ AD46/100

As the smallest model, the AD46 are suitable for areas where electricity is absent or forbidden. Available in X1-X2-X3 version, that can be used in hazardous areas ATEX 21-20 internally: marking EX II 2/1D. Equipped with a removable container 65 or 100 litre and a star filter Ø 460 (antistatic in ATEX version), with its 1.9m² of filtering surface is able to suck very fine dust.

AD56

The vacuum cleaner AD56 is the most powerful of all the range working with compressed air thanks to a double Venturi system. Available in X1-X2-X3 version, that can be used in hazardous areas ATEX 21- 20 internally: marking EX II 2/1D. Equipped with a removable container 100 litre and a star filter Ø 560 (antistatic in ATEX version), with its 3.4m² of filtering surface is able to suck very fine dust.



Models	AD36	AD46/60	AD46/100	AD56
Air Consumption	1200 NI/min	1200 NI/min	1200 NI/min	2400 NI/min
Max Vacuum	280 mbar	280 mbar	280 mbar	280 mbar
Max Air Flow	350 m ³ /h	400 m ³ /h	400 m ³ /h	800 m ³ /h
Container Capacity	25 Lit	65 Lit	100 Lit	100 Lit
Overall Dimensions	48x65x118 cm	68X74X135 cm	68X74X150 cm	89X68X180 cm
Weight	36 kg	60 kg	62 kg	85 kg

FLAMEPROOF VACUUM CLEANERS "ATEX"



A21X1.3D

SINGLE PHASE
INDUSTRIAL
VACUUM ATEX



A63X1.3GD

THREE PHASE INDUSTRIAL
VACUUM ATEX-COMPACT

The vacuum cleaners in the ATEX version can be used in zones with explosion risk for the presence of dust or explosive gas. R.G.S. offers specific machines suitable for zones with dust with suffix "D" or for zones both with gas and dust with suffix "GD". All the vacuum cleaners are in the category "3", so they can be used in the zones 2-22 and some models are built using components of the category "2", so zone 1-21. For applications in zone 0-20 it is recommended to use compressed air machines. All the machines are realized with electric components in compliance with the ATEX dispositions for the zones of classification. All series of standard vacuum cleaner are available in ATEX version and we can realize specific models according with the risk analysis of the customers.



A757KX1.3D

THREE PHASE
INDUSTRIAL VACUUM
ATEX



A1056KX1.3D

THREE PHASE
INDUSTRIAL VACUUM
ATEX HIGH POWER



F230X1.3D

FOOD & PHARMA VACUUM
CLEANERS ATEX



AD36X1

AIR COMPRESSED
VACUUM CLEANERS

DENSE PHASE CONVEYING FOR TABLET AND PACKAGING MACHINE

AV SERIES

HIGH VACUUM CONVEYING

The pneumatic conveyor high vacuum is suitable for transferring powder mixtures with different specific weights using high vacuum and low airflow, in order to maintain the homogeneity of the product.

Particularly suitable for feeding tablet press and packaging machines; it is equipped with quick connections so as to make extremely easy all operations of cleaning and sanitizing. The loading hopper is completely in stainless steel AISI 316L, mirror-polished inside and outside.

The conveyor comes in different variants–

AV...: suction unit without housing and electrical box painted

AV...X: suction unit without housing and electrical box in stainless steel AISI 304

AV...C: suction unit with housing and electrical box painted

AV..XC: suction unit with housing and electrical box in stainless steel AISI 304



AV916CX



POWDER TRANSFER SYSTEM FOR CAPSULE FILLING MACHINE



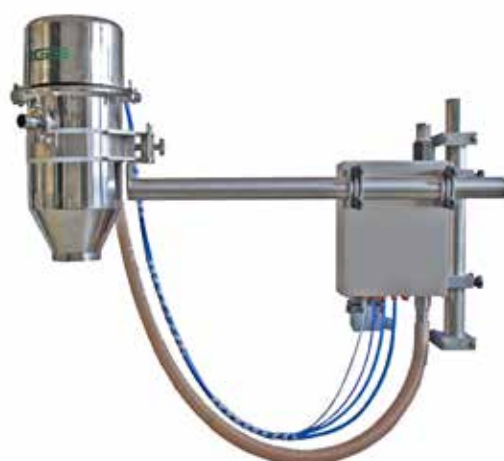
MODEL	AV916	AV925	AV1525
Mot. Pow.	0.55 kW	0.75 kW	0.75 kW
Vacuum	780 mbar	780 mbar	780 mbar
Air flow	16 m³/h	25 m³/h	25 m³/h
Flow rate	200 Kg/h	250 Kg/h	300 Kg/h
HopperCapacity	9 L	9 L	15 L
Ø Hopper	Ø220 mm	Ø220 mm	Ø220 mm

AVD SERIES

THE ULTRA COMPACT PNEUMATIC CONVEYOR



AVD940I



Its telescopic arm and the quick release system, make it easy and versatile to install and quick to sanitize



As the AV model, the pneumatic conveyor AVD is a specialized vacuum unit to transport pharmaceutical compound to the hopper of compression machine without disturbing the homogeneity of the mixture.

It works with a Venturi system (compressed air generator), and it is therefore particularly suitable for an use in environments where electric power is forbidden or absent.

The installation of the AVD is very simple and does not require any additional space: thanks to the hopper fastening by quick release system with few operations the machine is ready to use.

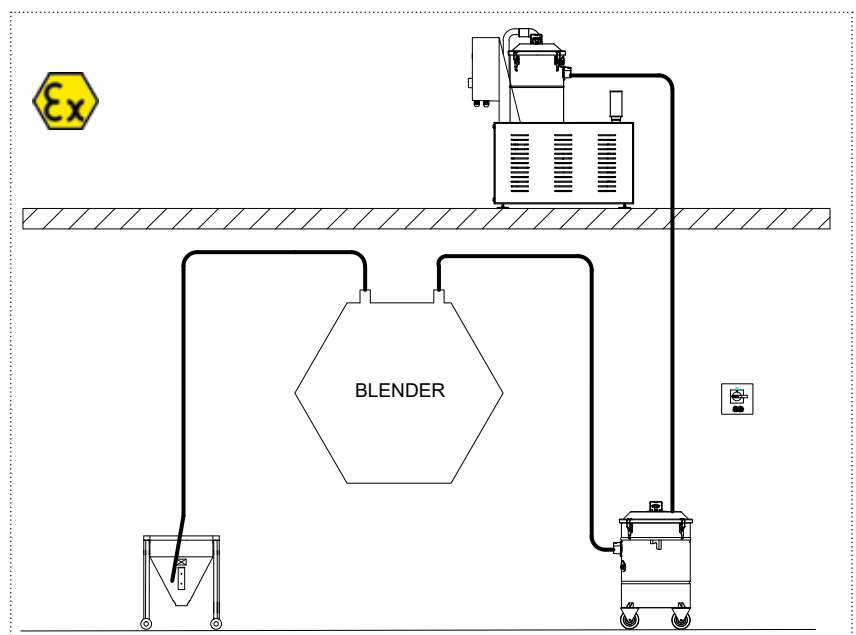
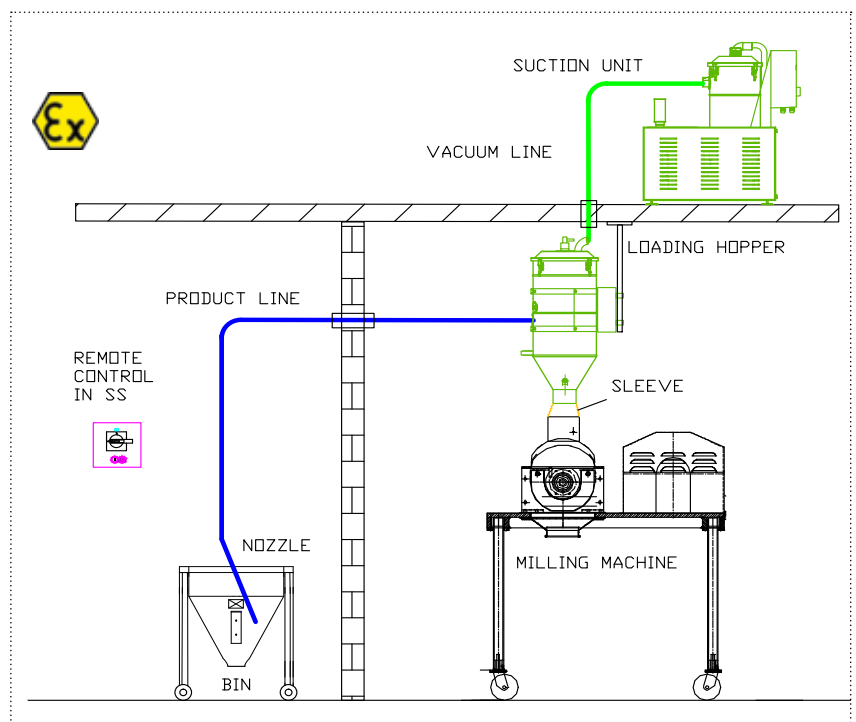
The installation of the AVD is very easy and doesn't requires "additional space": the hopper and the pneumatic panel can be fitted through the apposite optional stand of Ø50mm, and the machine is ready to work..



MODEL	AVD 940I/P	AVD 980I/P	AVD 1540I/P	AVD 1580I/P
Air consumption	250 NL/min	500 NL/m	250 NL/m	500 NL/m
Vacuum	750 mbar	750 mbar	750 mbar	750 mbar
Air flow	40 m³/h	80 m³/h	40 m³/h	80 m³/h
Flow rate	200 kg/h	250 kg/h	250 kg/h	300 kg/h
Hopper capacity	9 L	9 L	15 L	15 L
Ø Hopper	Ø 220 mm	Ø 220 mm	Ø 220 mm	Ø 220 mm

LEAN PHASE CONVEYING FOR POWDER PROCESSING AREA

RGS design and provide innovative solutions for Lean Phase Powder Conveying to be used in pharma formulation to load shifter, RMG's, Milling Machines, Blenders etc. and can be put to use for various Powder Transfer related needs without dust generation & product loss. The systems are designed keeping in mind the hygiene and sanitation needs of the industry. The loading hoppers and parts in contact are in SS316L and are completely washable with flexibility to use with variety of powders & granular products.



MOBILE POWDER TRANSFER SYSTEM

INNOVATIVE SOLUTION FOR ALL POWDER TRANSFER RELATED NEED IN GRANULATION AREA (INTEGRATED SOLUTION).

The complete system is made in stainless steel AISI304 (non contact parts) & all the contact parts in stainless steel 316L which are easy to disassemble and assemble without any need of tools.

The system offers a flexibility to user to discharge the sucked product into the desired machine which can be a shifter, mill, RMG, or a small blender.

The column of mobile powder transfer system is pneumatically controlled with an arm which is able to rotate 360° and reach a maximum of 1000-1350mm. The total discharge height upto 2300mm makes its suitable to load Shifters, Mills, RMG's & Small blenders.

Ease of use, with only one command you can lift and lower the loader automatically to place it on a machine. A pneumatic safety circuit blocks the column in the reached position even when there is no compressed air.

All connections are made with terminals that facilitate disassembly and sterilization requirements.



K.SO.005



K.SO.005
EQUIPPED WITH AV



K.SO.005
EQUIPPED WITH X28

PR SERIES – CAPSULES FILLING MACHINE

The new pressure conveyor model PR200 is suitable for feeding the powder filling system with EMPTY CAPSULES and the blister machines with FULL CAPSULES without changing their integrity and without opening them.

It is realized completely in stainless steel; it works with air compressed and thanks to this the noise level is minimum. Its hopper can contain 200 liters.

Thanks to its reduced dimensions, it can be used in small space.

All connections are realized with clamps that make the disassembly and any sterilization easier.

Also available 20 liters model.



PR200

MODEL	PR20	PR200
Air flow	from 200 to 500 m³/h	from 200 to 500 m³/h
Compressed air consumption	from 300 to 1000 NL/M	from 300 to 1000 NL/M
Pressure compressed air supply	from 3 to 6 bar	from 3 to 6 bar

SPECIAL SYSTEMS FOR CHEMICAL SECTOR



RGS's goals in chemical & pharmaceutical API industry are transfer and dosing of powders & granules in various powder processing equipments in close loop without any spillages & contamination. Our remarkable experience in feeding reactors, dissolvers, mixers, vacuum dryers, milling machines, packing machines & screening system is helping us in delivering the complete projects on Turnkey Basis. Our technical experts in design team are fully trained to bring complete automation & controls in the project we undertake and deliver them as expected & required by our valuable customers.

RGS is able to make systems which are fully safe to be used in explosive atmosphere confirming to ATEX regulations. RGS offers special systems suitable to be used in ATEX ZONE 22-21-20 internally in case of presence of explosive dust and systems compiling to ATEX ZONE 2-1 where the explosion can take place due to presence of flammable vapours. The systems are built according to the risk analysis of the customers.



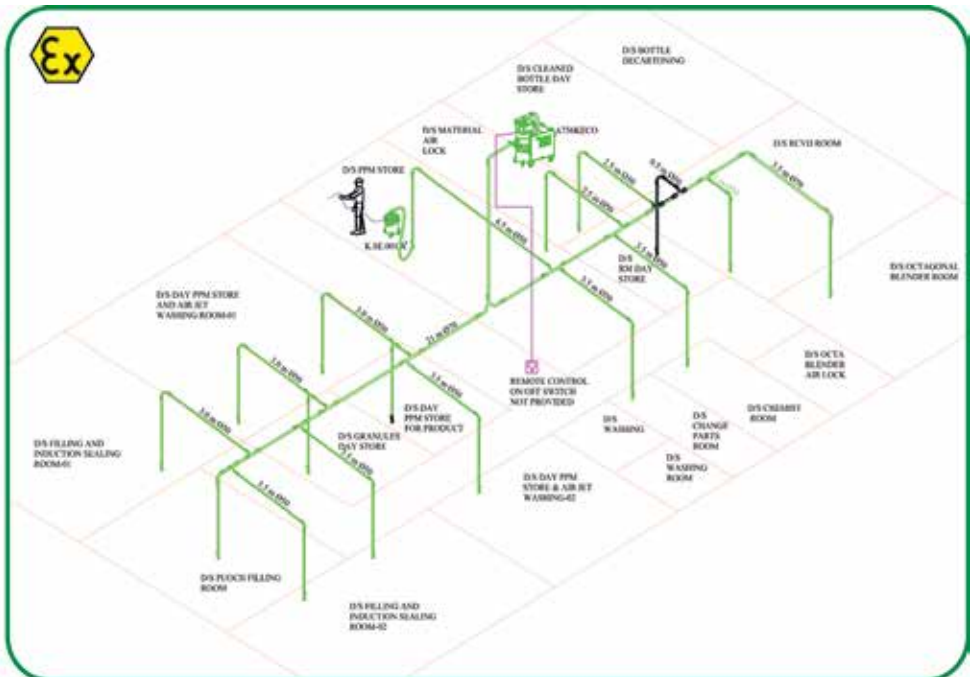
CENTRALIZED VACUUM SYSTEMS



CENTRALIZED SYSTEM FOR SUCKING WATER IN PREPARATION AREA

RGS Vacuum Systems offers a wide range of components for centralized vacuum system: suction units, storage silos, accessories for pipe lines, control systems.

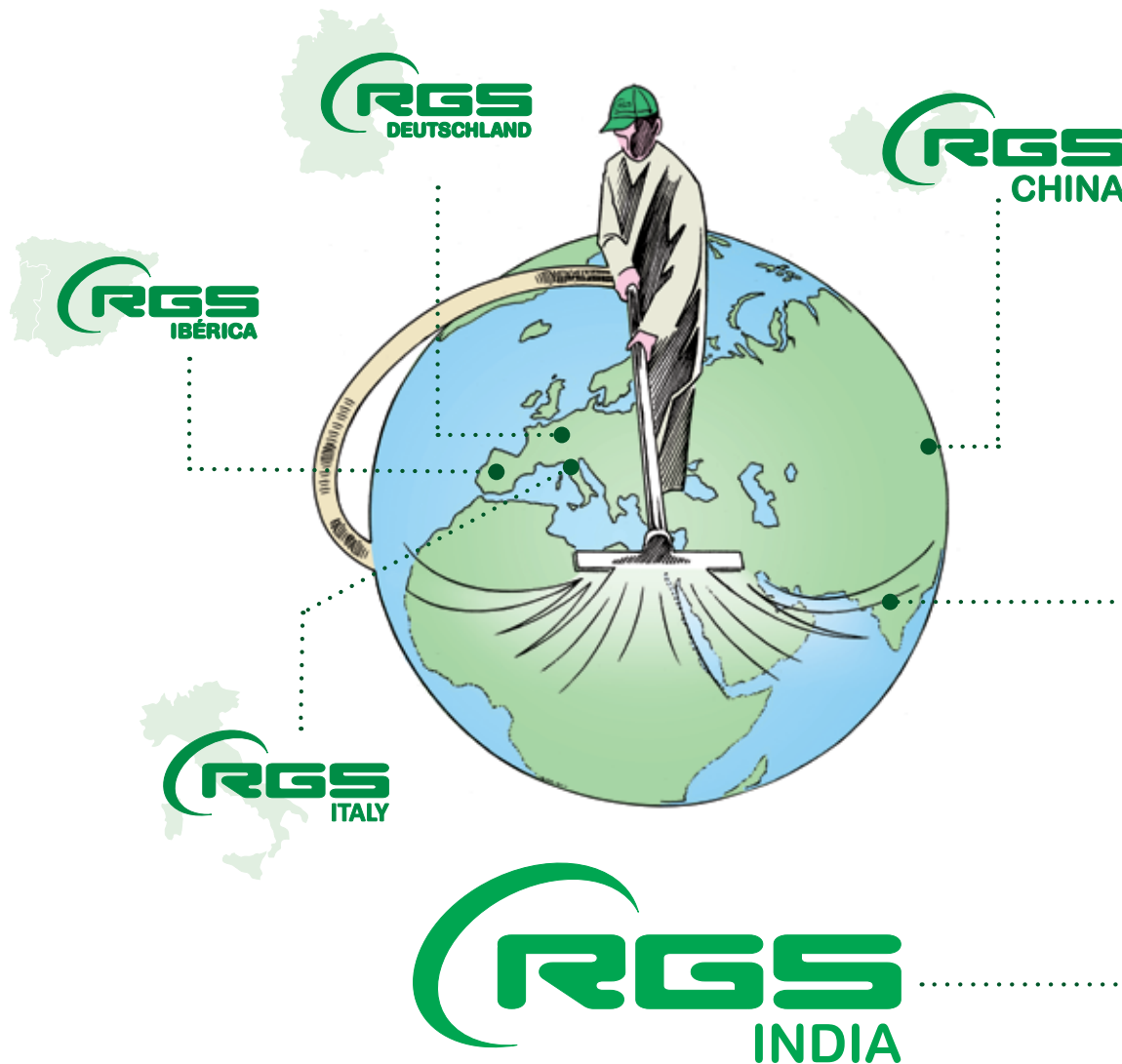
All the products can be realized in painted steel, stainless steel or in ATEX version, according to customer needs and sector of application.



ACCESSORIES AND OPTIONAL FOR POWDER TRANSFER SYSTEMS AND CENTRALIZED VACUUM SYSTEMS:



- Cartridge filters and filters in polyester of different categories
- Wide range of flex hoses, steel pipes for piping line
- Connections, reducers, bent connections, sleeves for piping line
- Ball valves, Exchange valves, emptying line valves, relief valves...
- Collection devices, nozzle pipes, vibrator kits
- Support devices
- Flap outlets and connections for centralized vacuum systems



Making Production Houses Dust Free

INDUSTRIAL VACUUM CLEANERS CENTRALIZED VACUUM SYSTEMS POWDER TRANSFER SYSTEMS DUST EXTRACTION SYSTEMS

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