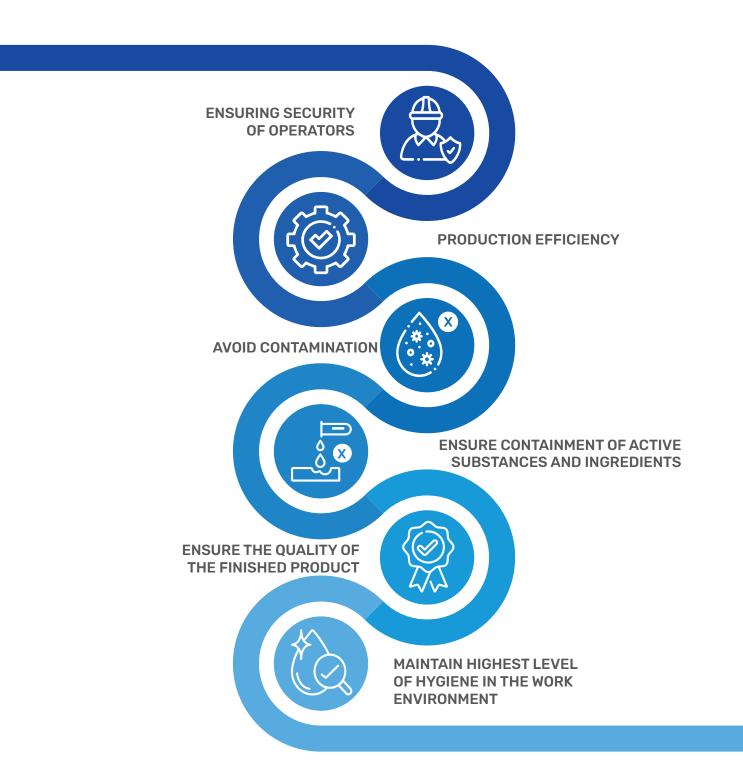


VACUUM SOLUTIONS FOR THE PHARMACEUTICAL INDUSTRY



PHARMACEUTICAL INDUSTRY HEALTH, SAFETY AND PRODUCTIVITY

The production process in the pharmaceutical sector involves high standards of hygiene, safety and productivity to ensure a safe, compliant and effective end product.



Based on these priorities, Delfin offers an innovative range of pharmaceutical-specific solutions that includes dust containment systems with varying degree of dangerousness (API and HPAPI) and different levels of operator exposure risk (OEB1 to OEB6).

FEATURESBENEFITSoffered by Delfinfor companies

- Wide range of products diversified for toxic powders.
 Dust containment range (H14/ HEPA filtration + BIBO + OEB and cyclones).
 Product customization
 Mobile Solutions Range (Cleanroom)
 Modular solutions (high efficiency cyclone and canister)
 TP> integration to the production process
 - Certifications and Miscellaneous (ATEX, HEPA, ULPA, IECEx)

- Maintaining high standards of hygiene and cleanliness
- **2** Operator safety and work environment
 - Setting of machine air flow rate and waste reduction during production process steps (materials saving)
- Preserve the environment from dust even when ejected from vacuum cleaners, not contamination at all (protection up to ISO 4)
- Avoiding noise and thermal emissions in environments
 - Process time optimization (conveying and dosing powders according to the needs of the production process)
 - Compliance and regulatory compliance + safety

Our products, your safety: protection of employees and integrity of pharmaceutical processes.

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A FULL RANGE OF SOLUTIONS

Delfin offers the pharmaceutical industry a wide range of mobile and stationary industrial vacuum cleaners and several pneumatic conveying solutions that seamlessly integrate with the production process, from the storage of raw materials to the packaging process of the finished product.





SOLUTIONS FOR LOGISTICS AND RAW MATERIAL STORAGE AREAS

Compact models for dust and liquid suction with large collection capacity and central solutions with fixed piping for storage and production areas.

P 08-10



SOLUTIONS FOR PRE-PRODUCTION AREAS

Dust collectors with suction arm to avoid powder scattering in the environment and operator exposure.

P 11-12



A. SOLUTIONS FOR PRODUCTION AREAS

Integrated solutions for automation of raw materials loading or finished products conveying. **B. SOLUTIONS FOR DUST CONTAINMENT**

Integrated solutions for dust control in production areas.

P13-24



SOLUTIONS FOR CLEANROOM E WHITEROOM

Autoclavable models for dust or liquid suction with ULPA filters. Suitable for cleanroom, ISO4 or higher.

P 25-26



SOLUTIONS FOR PACKAGING LINES

Integrated solutions for the removal of packaging scraps and trimmings (cardboard, plastic film, etc.).

P 27-29



SOLUTION FOR PNEUMATIC CONVEYORS

Solutions that perfectly integrate the production process, from raw material storage to packaging lines.

P30



SOLUTIONS FOR CLEANING THE LOGISTICS AND STORAGE AREAS OF RAW MATERIALS

Compact models for dust and liquid suction with large collection capacity and central solutions with fixed piping for storage and production areas.



802 WXP - MTL 451 1/2D - DM2 1/2D



INDUSTRIAL VACUUM SYSTEM FOR LIQUIDS 802 X

Ideal in case of disposal of large quantities of liquids AISI 304 stainless steel container, double single-phase by-pass motor and practical immersion pump for container emptying.

- Safe removal of large quantities of liquids
- Suction and discharge of liquids even simultaneously
- PPL pre-filters for pump and motor protection



TECHNICAL DATA	802 WXP
Voltage/Power	230V - 50Hz 1~/ 2,3 kW
Continuous waterlift	2500 mmH20
Max air flow	360 m3/h
Filter	Polypropylene bag 300µm
Capacity	80 lt
Noise level	76 dB (A)
Dimensions/Weight	53x59x105h cm / 50kg

INDUSTRIAL VACUUM CLEANERS FOR REMOVING LARGE **OUANTITIES OF DUST AND SOLIDS**

MTL4511/2D / DM21/2D

Thanks to Brushless single-phase motors, it is possible to continuously suck up small and large quantities of powder in ATEX Z22 certified areas. Class M antistatic primary filter together with H filter (standard) allow even the finest dust to be filtered out, preventing it from being re-introduced into the environment posing danger to the operator.

BENEFITS:

Capacity

Noise level

Filter cleaning system

Dimensions/Weight

- Mobile and compact machine
- Continuous suction possible thanks to brushless motors
- Maintenance-free brushless motor



45 It

Dustop

74 dB (A)

58x62x138h cm / 57kg

100 It

Manual

76 dB (A)

77x66x168h cm / 87kg



SOLUTIONS FOR PRE-PRODUCTION AREAS

Dust collectors with suction arm to avoid powder scattering in the environment and operator exposure.





INDUSTRIAL DUST COLLECTORS ZFR EV AP

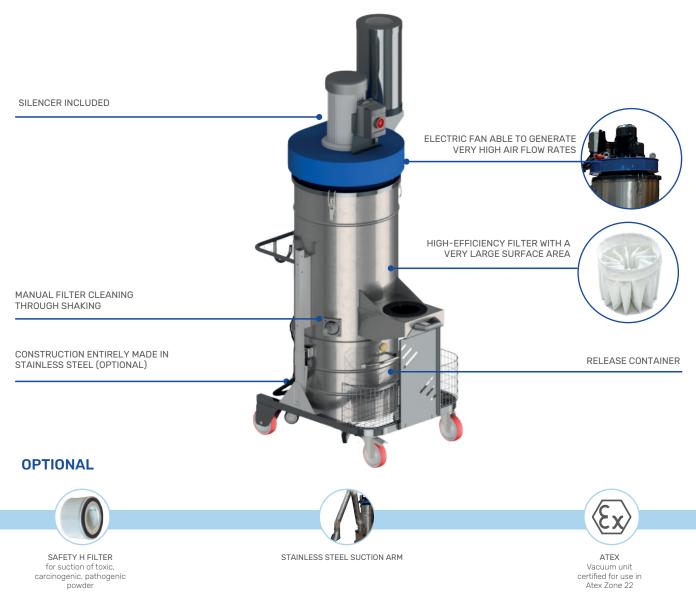
Trolley dust collectors feature a very high air flow rate, which is necessary to vacuum powder at the source and prevent it from being dispersed in the environment.

They are also a perfect solution for localized suction directly on board of process machinery. Their function is to avoid dust dispersion in the production environment, preventing even the finest powder from escaping into the surroundings.

BENEFITS:

• It allows the vacuuming of fine powder suspended in the work environment, ensuring the safety of operators and preventing the dust from spreading into the surroundings

• Can be used with extraction arm or direct connection on product machinery



TECHNICAL DATA	ZFR EV AP 420 K07	ZFR EV AP 560 K4
Voltage / Power	400 - 50 3~ / 0,75 kW	400 - 50 3~ / 4 kW
Max waterlift	180 mmH20	370 mmH20
Max air flow	1000 m3/h	3500 m3/h
Filter	Polyester star - L	Polyester star- ANT M
Capacity	45 lt	100 lt
Dimensions	58x63x180h cm	78x85x214h cm



A SOLUTIONS FOR PRODUCTION AREAS

Integrated solutions on the production lines to eliminate dust and reduce maintenance.



DBF -DBFV - PHARMA 20.18 -PHARMA 40.40 PHARMA 40.30





OEB CONTAINMENT GUIDE

In the pharmaceutical industry, the **Occupational Exposure Band (OEB)** classification defines occupational exposure limits to APIs based on their toxicity. The **OEB 1-6** scheme establishes the necessary containment requirements: from basic PPE to enclosed systems and isolators. It is a key tool for designing safe plants and protecting employees.

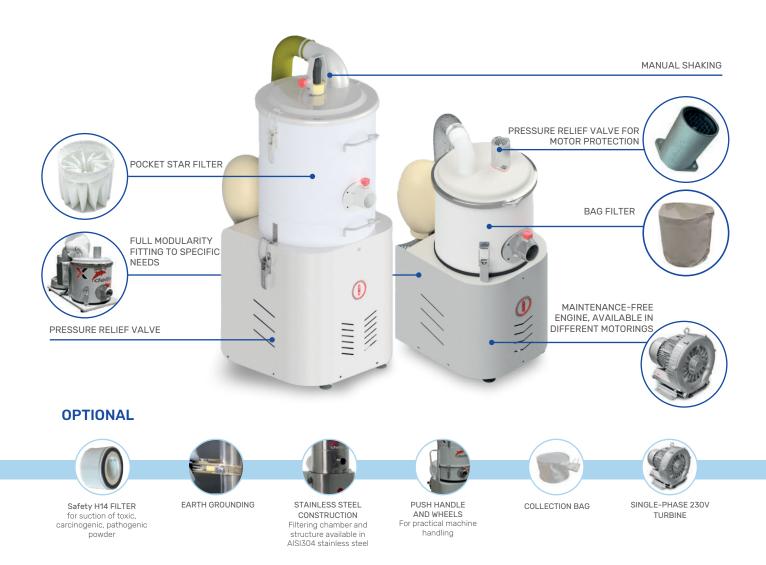


VACUUM CLEANERS FOR DIRECT DUST EXTRACTION FROM PROCESS MACHINERY

DBF RANGE - DBFV

The fixed vacuum bases on the machine are the ideal solution for removing powder and small scraps directly at the source during production cycles. Compact and available in vertical or horizontal construction, they are easy to install and integrate into existing or highly automated production lines.

- · Continuous suction in order to avoid machine downtime and to maintain high productivity standards
- No powder releasing into the working environment
- Ergonomic and easy to use for thorough cleaning of the working area
- Minimal space requirements, modular construction



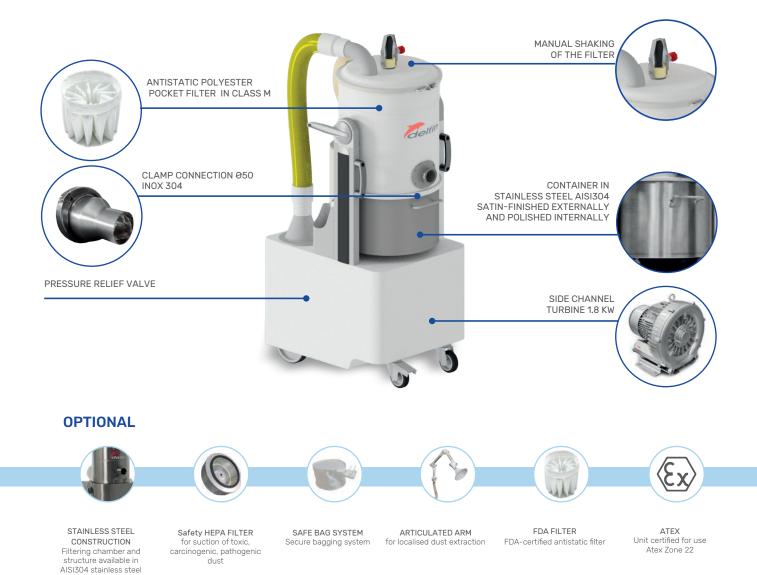
TECHNICAL DATA	DBFV 05	DBFV 10	DBFV 20	DBFV 30
Voltage/Power	400V - 50Hz 3~/ 0,4 kW	400V - 50Hz 3~/ 0,85 kW	400V - 50Hz 3~/ 1,8 kW	400V - 50Hz 3~/ 2,2 kW
Continuous waterlift	1500 - 1200 mmH20	2000 - 1400 mmH20	3000 - 2200 mmH20	2600 - 1900 mmH20
Max air flow	100 m3/h	150 m3/h	270 m3/h	318 m3/h
Filter	Polyester bag - M PTFE	Polyester bag - M PTFE	Polyester star - ANT M	Polyester star - ANT M
Capacity	15 lt	15 lt	25 lt	25 lt
Dimensions/Weight	50x33x73h cm / 30kg	50x33x73h cm / 35kg	54x55x103h cm / 45kg	54x55x103h cm / 60kg

VACUUM CLEANERS FOR DIRECT POWDER SUCTION FROM PROCESS MACHINERY AND FOR GENERAL CLEANING

PHARMA 20.18

Extremely silent, compact and handy vacuum unit for direct suction of powdered active ingredients up to OEB3 (API) on process machinery. Also fit for general cleaning and machinery maintenance.

- Continuous suction in order to avoid machine downtime and to maintain high productivity standards
- Thanks to its extremely silent operation, it reduce noise level within the production area
- High filtration efficiency



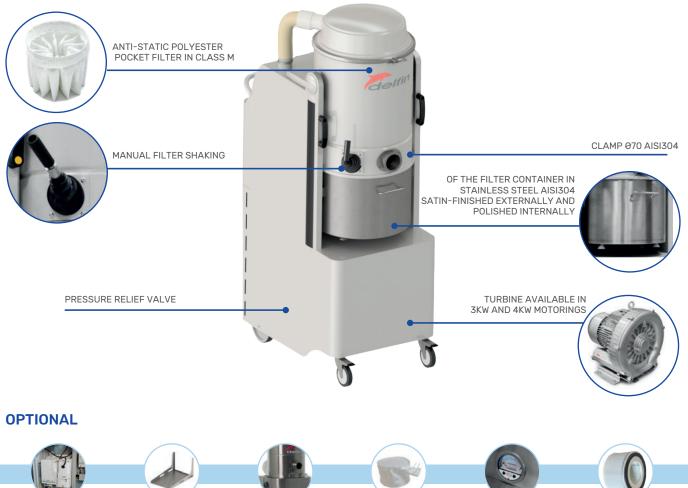
TECHNICAL DATA	PHARMA 20.18
Voltage/Power	400V - 50Hz 3~ / 1,8 kW
Continuous waterlift	3000 - 2200 mmH20
Max air flow	270 m3/h
Filter	Antistatic Polyester M
Capacity	22 lt
Dimensions/Weight	70x51x129h cm / 75kg

VACUUM CLEANERS FOR DIRECT POWDER SUCTION FROM PROCESS MACHINERY AND FOR GENERAL CLEANING

PHARMA 40.40 - 40.30

Compact, noiseless and flexible industrial vacuum unit for direct suction of powdered active ingredients up to 0EB3 (API).

- Continuous suction in order to avoid machine downtime and to maintain high productivity standards
- Thanks to its extreme silent operation, it does not reduce noise level within the production area
- High filtration efficiency



INVERTER ABB Inverter IP66 kW4 Z22 for air flow and air speed modification

TABLE TOP For filter replacement with BIBO system

STAINLESS STEEL CONSTRUCTION Filter chamber and structure available in AISI304 stainless steel. Internal mirror polishing available

SAFE BAG SYSTEM Secure bagging system

SENSORS Magnehelic and Photohelic for filter clogging control

FILTRATION FDA-certified antistatic filter | H14 absolute filter in upstream| H14 absolute filter with BIBO system and painted steel housing

TECHNICAL DATA	PHARMA 40.40	PHARMA 40.30
Voltage/Power	400V - 50Hz 3~ / 4kW	400V - 50Hz 3~ / 3 kW
Continuous waterlift	3200 mmH20	3200 mmH20
Max air flow	420 m3/h	318 m3/h
Filter	Antistatic Polyester Class M	Antistatic Polyester Class M
Capacity	42 lt	42 lt
Dimensions/Weight	76x52x155h cm / 120kg	76x52x155h cm / 120kg



B SOLUTIONS FOR DUST CONTAINMENT

Process-integrated models suitable for OEB environments with guaranteed operator safety.



PHARMA 40.40 DC CST.DC-001 - SEP.DC





SAFE CONTAINMENT OF HAZARDOUS POWDERS **PHARMA 40.40 DC**

Compact, noiseless and flexible industrial vacuum cleaner equipped with a bag collecting system, particularly suitable for connection to tablet pressing machines, shrink wrapping machines, blister machines. Perfect for direct suction of HPAPI powders up to 0EB4 and 0EB5. Construction material coming in contact with powder in AISI 316 stainless steel.

BENEFITS:

- Maximum powders filtration complying with OEB4-5 levels, ensuring total operator protection
- Ultra-compact system to fit into confined spaces
- No powder build-up for easy maintenance and cleaning
- · Continuous extraction even in discharge step in order to avoid machine downtime during product disposal
- and to maintain high production standards
- Suitable for suction of St 1 and St 2-class dust.

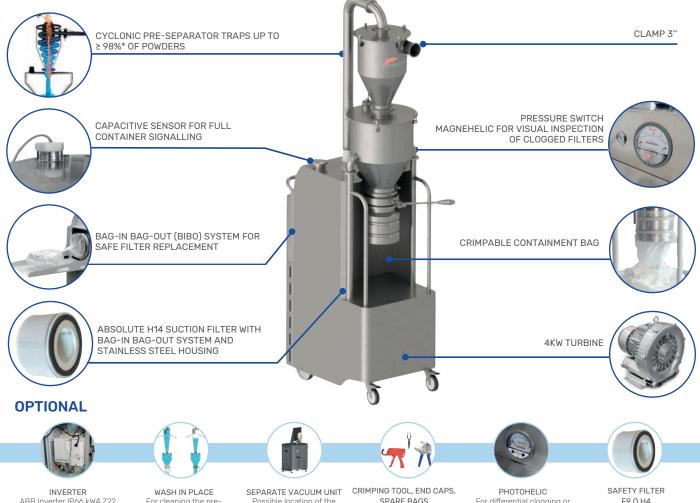


ABB Inverter IP66 kW4 Z22 for air flow and air speed modification

For cleaning the preseparator and hopper

Possible location of the turbine in the technical compartment, Available Atex Z22

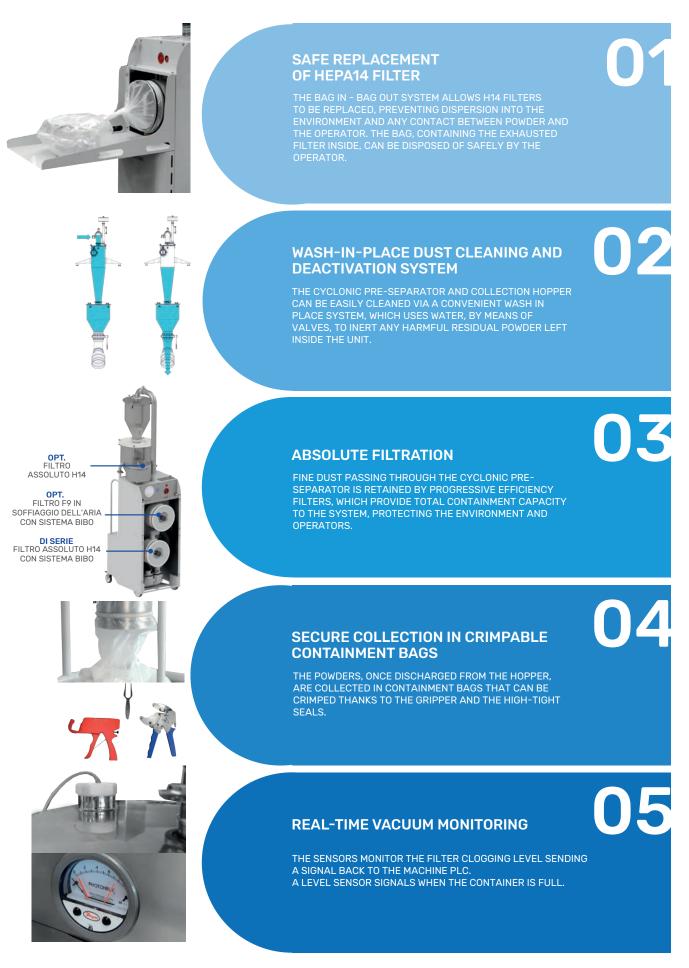
SPARE BAGS Supplied separately

For differential clogging or filter breakage control and signal sending to external systems. Available Atex 2GD

F9 0 H4 For toxic ,carcinogenic, pathogenic powder

TECHNICAL DATA	PHARMA 40.40 DC
Voltage/Power	400V - 50Hz 3-/ 4 kW
Continuous waterlift	3200- 2600 mmH20
Max air flow	420 m3/h
Filter - Filter surface	H14 - 20.500 cm2
Capacity	30 lt
Discharge	Butterfly ø150 AISI316 / Butterfly ø150 AISI316
Dimensions/Weight	95x56x232h cm / 160kg

SAFETY ALWAYS COMES FIRST



MODULAR SOLUTIONS

Modular solutions allow the vacuum unit to be positioned outside the production area.

The pre-separators thanks to their compact dimensions allow space saving. The absence of powder accumulation points ensures cleanliness, efficiency and easy maintenance.

These models can be supplied with a separate suction unit.



VACUUM UNITS CV RANGE

BENEFITS:

• Its positioning in the outside the production area optimises space and reduces heat and noise in the production room

Maintenance-free motor

INTERCONNECTION WITH FACTORY ERP AND PARAMETER CONTROL





VACUUM PARAMETERS



TECHNICAL DATA	CV115	CV116	CV117	CV126
Voltage	400V - 50Hz 3~			
Power	3 kW	4 kW	5,5 kW	7,5 kW
Continuous waterlift	3200/2700 mmH20	3200/2600 mmH20	3600/3000 mmH20	3200/2700 mmH20
Max air flow	318 m3/h	420 m3/h	530 m3/h	700 m3/h
IN/OUT	60 mm	60 mm	70 mm	70 mm
Dimensions	64,2x65,8x139h cm	64,2x65,8x139h cm	64,2x65,8x139h cm	64,2x65,8x139h cm

CANISTER CST.DC-001

These models can be supplied with a separate suction unit.

BENEFITS:

- 99.995% retention of micro-dust (down to 0.18µm)
- Ultra-compact system for use in confined spaces
- No powder build-up for easy maintenance and cleaning





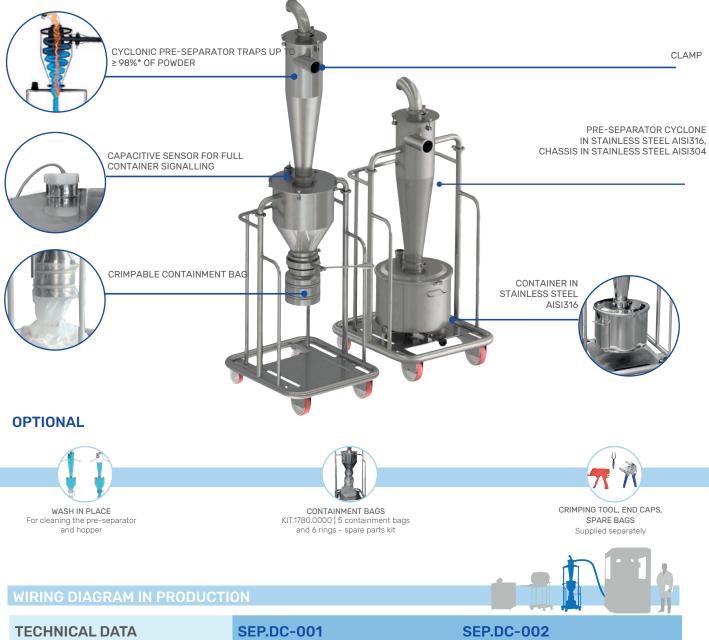
CRIMPING TOOL, END CAPS Supplied separately

WIRING DIAGRAM IN PRODUCTION	
TECHNICAL DATA	CANISTER
Max waterlift	2700 mmH20
Max air flow	1000 m3/h
Dimensions/Weight	70x75x155h cm / 60kg

CYCLONIC SEPARATOR SEP.DC-001 / SEP.DC-002

Cyclone pre-separator in polished AISI 316 stainless steel, with cyclone dust separation maximum efficiency up to 98%. Safe powder collection system in containment bags. Suitable for turbines with a capacity up to 750m³/h.

- Reduction of primary filter clogging for a longer filter life
- Ultra-compact system for use in confined spaces
- · No powder build-up for easy maintenance and cleaning
- Maximum filtration efficiency for almost total powder recovery

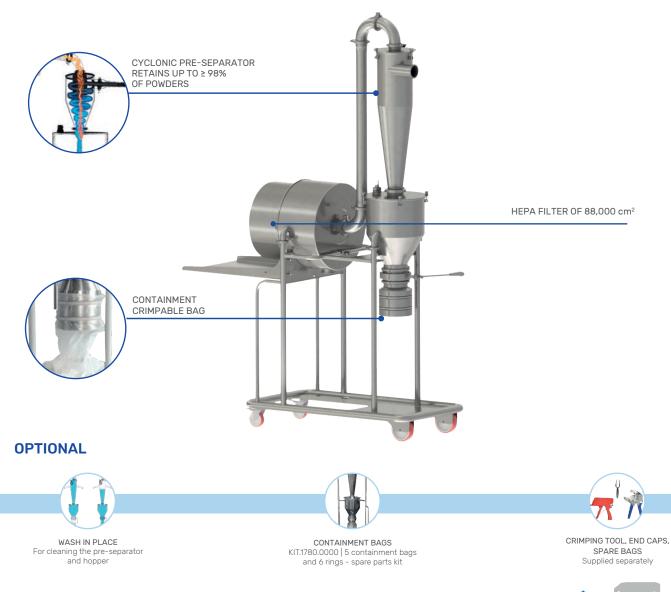


TECHNICAL DATA	SEP.DC-001	SEP.DC-002
Max waterlift	2700 mmH20	2700 mmH20
Max air flow	1000 m3/h	1000 m3/h
Capacity	30 lt	40 lt
Dimensions/Weight	72x70x240h cm / 65kg	72x70x172h cm / 55kg
Collection system	Containment bag	Container

INTEGRATED SYSTEMS: CANISTER WITH PRE-SEPARATOR CYCLONE AND POCKET FILTER WITH PRE-SEPARATOR CYCLONE SEP.DC-009 / SEP.DC-0010

BENEFITS:

- Reduction of primary filter clogging for a longer filter life
- Ultra-compact system for use in confined spaces
- No powder build-up for easy maintenance and cleaning
- Maximum filtration efficiency for safe powder collection



WIRING DIAGRAM IN PRODUCTION

TECHNICAL DATA	SEP.DC-009	SEP.DC-010
Max waterlift	2700 mmH20	2700 mmH20
Max air flow	1000 m3/h	1000 m3/h
Filter	HEPA 14	Star
Filter surface	88.000 cm ²	200.000 cm ²
Capacity	30 It	30 lt
Dimensions/Weight	70x128x262h cm / 115kg	70x127x265h cm / 115kg



SOLUTIONS FOR CLEANROOM E WHITEROOM

Autoclavable models for dust or liquid extraction with ULPA filters. Suitable for cleanrooms, for ISO 4 or higher.



LABCONTROL RANGE LC1000 D / LC1100 WD

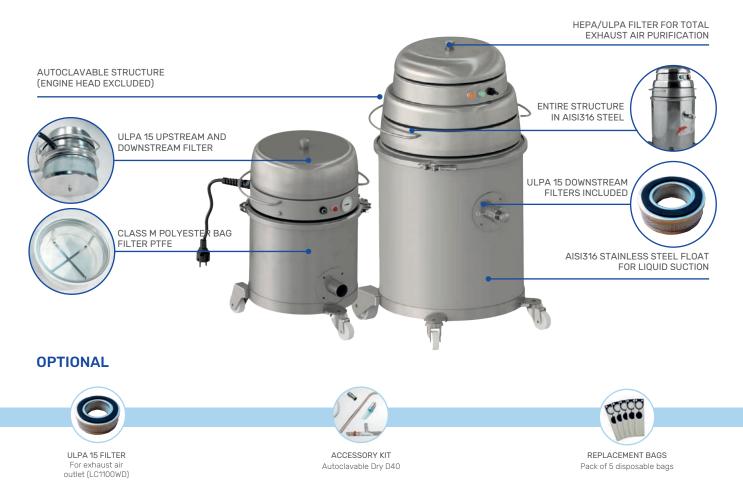
CLEANING OF CLEANROOMS UP TO ISO4 LABCONTROL RANGE LC1000 D / LC1100 WD

The typical feature of cleanrooms is the purity of the air inside, which maintains a very low content of suspended micro-particles of powder.

Delfin range of Labcontrol vacuum cleaners reduces the risk of product contamination in full compliance with industry regulations, while maintaining the highest levels of hygiene. Specific tests have certified their compatibility for use in cleanrooms up to ISO4 level (according to ISO14644).

They are autoclavable (excluding motor head), and equipped with dedicated, FDA-certified and autoclavable accessories. They are modular and ergonomic, easy to use and sanitise and provide progressive efficiency of multi-filtration.

- Avoids contamination of finished product
- Easy to use and clean



TECHNICAL DATA	LC1000 D	LC1100 WD
Applications	Powders	Powders / Liquids
Voltage/Power	230V - 50Hz 1~ / 1kW	230V - 50Hz 1~ / 1,1 kW
Max waterlift	2900 mmH20	2500 mmH20
Max air flow	175 m3/h	180 m3/h
Primary filter	Polyester bag - M PTFE	Polyester bag - M PTFE
ULPA 15 Filter	Included	Optional
Solids/Liquids capacity	- / 5 lt	40/25 lt
Dimensions/Weight	36x33x51h cm / 20kg	43x43x73h cm / 27kg



SOLUTIONS FOR PACKAGING LINES

Integrated solutions for the removal of packaging scraps and trimmings (cardboard, plastic film, etc.).



AS RANG - DG EXP / DG75 AF



VACUUM CLEANERS FOR SUCTION OF STEAM AND PACKAGING WASTE AS RANGE

AS Range vacuum cleaners are designed for the suction of bulky scraps and waste from production cycles and packaging machinery, such as nylon, plastic, fabric, cardboard. The vacuumed waste is contained and compacted in a nylon bag, which filters out any powder and allows for quick and easy disposal. They can be integrated on machinery and production lines, typically at the packaging and wrapping stage.

- · Immediate removal of residual plastic and paper materials
- Suction from above to prevent filter clogging
- Collection bag for quick disposal
- Compact size and silent operation



INDUSTRIAL VACUUM CLEANERS FOR LARGE QUANTITIES OF DUST AND FOR FIXED INSTALLATION

DG 75 AF / DG EXP

DG 75 AF and DG EXP lines allow large quantities of material to be collected, continuously and without the need for routine maintenance, even using very long hoses. The powerful three-phase turbine allows direct and integrated suction on production machinery even with fixed pipe systems.

BENEFITS:

- Structure with easy access to the filter for maintenance operations
- · Large collection capacity for a high volume of material, even at long distances
- Maximum vacuum performance guaranteed
- Very silent operation



HEPA FILTER Safety suction of toxic powder

ENDLESS BAG Continuous bag collection system

ATEX Zone certification 22/21/20

TECHNICAL DATA	DG 50 EXP	DG 75 AF
Voltage/Power	400V - 50Hz 3~/ 4 kW	400V - 50Hz 3~/ 7,5 kW
Continuous waterlift	3200- 2600 mmH20	3200 mmH20
Max air flow	420 m3/h	700 m3/h
Filter	Polyester Star - L	Polyester Star - ANT M
Capacity	100 lt	100 lt
Filter cleaning system	Manual (for star filter)	Manual (for star filter)
Noise level	72 dB (A)	76 dB (A)
Dimensions/Weight	66x118x145h cm / 137kg	66x118x175h cm / 170kg



PNEUMATIC CONVEYING SOLUTIONS

Conceived for powders and granules handling, ideal for the safe and continuous transportation of materials in manufacturing environments. Designed to enhance efficiency and hygiene, moreover willing to be integrated into automated processes.







PNEUMATIC CONVEYORS

The perfect solution for loading powders into process machinery, allowing operation automation and ensuring the highest levels of safety. Powder or capsules can be loaded directly into the airtight machine and on a scheduled basis, avoiding any risk of contamination with the external environment. The system easy installation allows for improved production efficiency, replacing manual or mechanical operation with fully automated and safe handling.

BENEFITS:

- No contamination or de-mixing of transported powders
- High level of hygiene and safety within the production department
- High flexibility of use and easy interfacing with industry process machines
- Easy sanitisation and compliance with pharmaceutical industry regulations
- Precision and quality of the final product
- Compact dimensions
- Careful check of the loading cycle



FINISHING Externally polished structure Turbine-type for conveyor

In AISI 316 stainless steel, 10µm or 200µm

Product take-up loading hopper/pipe

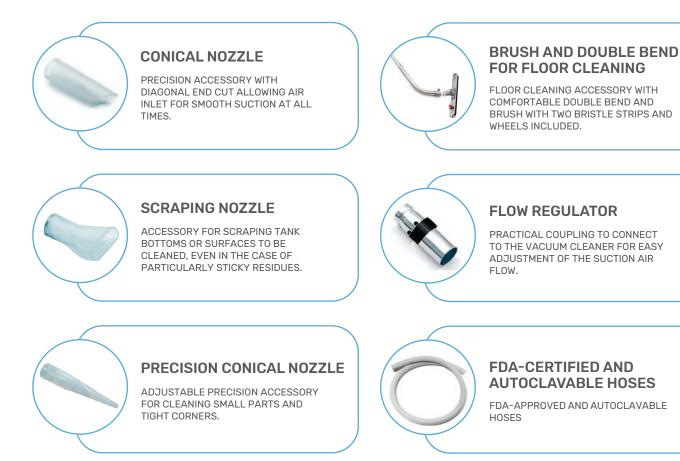
Atex certification for Zone21 and 22

TECHNICAL DATA	TECH.280P 4V	TECH280PS	CAP-FLOW.280P
Compressed air supply	6 bar	6 bar	da 3 a 6 bar
Max waterlift	620 - 750 - 780 mBar	620 - 750 - 780 mBar	260-370-490 mBar
Max air flow	85 - 110 - 130 m3/h	85 - 110 - 130 m3/h	260-370-490 m3/h
Load volume	8 lt	3,5 lt	Conveyor 8 It Lower hopper 200It
Product discharge	100 mm	150 mm	100 mm
Filter	Cartridge	Bag	-
Dimensions	0280 - 77h cm	0280 - 45h cm	Conveyor -0280 - h 770 Lower hopper -0560 - h 1100
Weight	18 kg	19 kg	Conveyor - 19kg Lower hopper - 55kg



ACCESSORIES FOR PHARMACEUTICAL ENVIRONMENT CLEANING

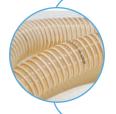
Accessories designed for all specific vacuum cleaning needs in the pharmaceutical industry, for technical cleaning of machinery and working environments.





ROUND PVC BRUSH

ROUND BRUSH WITH BRISTLES FOR CLEANING FLAT, GROUND OR ELEVATED SURFACES. PERFECT ALSO FOR CLEANING OBJECTS.



ANTISTATIC HOSES

PIPES WITH PVC SPIRAL AND COPPER BRAIDS FOR SUCTION OF CONDUCTIVE MATERIALS



STAINLESS STEEL FLAT NOZZLE

PRECISION ATTACHMENT TO REACH EVEN THE MOST DIFFICULT PLACES. THE FINAL DIAGONAL CUT ALLOWS BETTER AND EASIER SUCTION



COLOURED ACCESSORIES

THEY ALLOW SUCTION IN PHARMACEUTICAL FACILITIES, MAKING EASIER THE USE TRACEABILITY OF ACCESSORIES AND HELPING AVOIDING PRODUCT CROSS-CONTAMINATIONS IN DIFFERENT PRODUCTIONS OR PRODUCTION DEPARTMENTS.



STAINLESS STEEL ROUND NOZZLE

ANGLED NOZZLE WITH A VERY LARGE INLET DIAMETER FOR SUCTION HEAVY AND PARTICULARLY LARGE-GRAINED MATERIALS.



HEIGHT CLEANING ACCESSORIES

ACCESSORY KIT CONSISTING OF SEVERAL EXTENSIONS TO REACH THE MOST DISTANT AND HIGH SPOTS, FOR CLEANING WAREHOUSES AND PRODUCTION AREAS.



SUCTION ARMS FOR CAPTURE AND DUST CONTROL

Delfin vacuum cleaners can be equipped with suction arms for localized suction of small amounts of airborne powder to prevent it from being dispersed into the surrounding environment.



SCHEDULED FILTER MAINTENANCE FOR HIGH LEVELS OF SAFETY

Class H filters require mandatory annual maintenance and replacement to ensure steady H-filtration compliance.

Delfin offers an extensive catalogue of replacement filters and provides its expertise to ensure that vacuum cleaners are always safe and wellperforming.

In addition, the DOP TEST service ensures and proves conformity of H filter mounted on a machine with a certain air flow rate.

For class M and L filters, maintenance and replacement are recommended to maintain steady and efficient performance.



SECURE CONTAINMENT FOR EVERY SPECIFIC NEED



Collection bag. Delfin models: DM2 1/2D/ MTL451 1/2D/DGEXP



MTL4511/2D/DGEXP

Safe and continuous Endless Bag collection. Delfin models: DG EXP and DM2 EL 1/2D LP





Safe collection system Dust Containment. Delfin models: PHARMA 40DC

Safe bag system (disposable filter bag) Delfin models: PHARMA 20.18/ PHARMA 40.40/DBF

COMPLIANCE WITH GMP STANDARDS

DELFIN CONTAINMENT UNITS HAVE BEEN DESIGNED TO MAKE UNIT MAINTENANCE AND CLEANING OPERATIONS SIMPLE AND SAFE, ALWAYS AIMING TO PROTECT OPERATORS.

- O POSSIBLE INSTALLATION OF A VACUUM UNIT IN THE TECHNICAL COMPARTMENT AND AN ON-BOARD FILTRATION UNIT
- NO DUST BUILD-UP, ENSURING MAXIMUM HYGIENE
- MIRROR-POLISHED AISI316 STAINLESS STEEL FOR PARTS IN CONTACT WITH POWDER; ON REQUEST



ATEX CERTIFICATION

DIFFERENT SOLUTIONS AVAILABLE FOR RISK CLASSES IN ZONES 20/21/22



FAT DOCUMENTATION

UPON REQUEST, DELFIN CAN PROVIDE FAT (FACTORY ACCEPTANCE TESTING) DOCUMENTATION, WHICH CERTIFIES THAT THE MACHINERY AND RELATING DOCUMENTATION MEET THE REQUIREMENTS OF DESIGN, OPERATION, MAINTENANCE, STANDARDS, NATIONAL AND INTERNATIONAL GUIDELINES, PRIOR TO COMMISSIONING. **FACT** Factory Acceptance Testing Delfin is a global leader in the manufacturing of industrial vacuum equipment, ranging from portable vacuums for industrial cleaning, to central vacuum systems and engineered solutions, to pneumatic conveying systems. Our mission is to create value by designing innovative solutions that improve efficiency, safety, and productivity. Our aim is to use our expertise to help our customers to achieve their goals.



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