



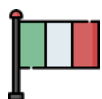
***PRODUCT
CATALOGUE***

THE EXCELLENCE OF **MADE IN ITALY**

Who is Delfin

Delfin began its journey in 1991, when its founder Antonino Siclari created a company that has become a global player and one of the main manufacturers of industrial vacuums and industrial cleaning solutions. We are committed to bringing innovative ideas to the market and growth through long term partnerships with leading companies in our field.

Made in Italy



Delfin manufactures all its products in Italy. We represent the Made in Italy in the world by promoting the excellence of our products.

Vision



Delfin is a company that never stops growing and innovating. We create value with the aim of growing together with our partners.

Mission



Every day we create innovative solutions to guarantee the safety and increase in productivity.



A WORLD OF ADVANTAGES

Why choose Delfin

Since thirty years, Delfin has grown as a specialized manufacturer of an extended range of equipment and provider of turnkey solutions in industrial vacuuming. Constant focus on self-improvement, quality control of product and service level have established Delfin as one of the leading global brands. Innovation and flexibility, thanks a team of experts dedicated to complex projects and customized products, are the drivers to constant development and improvement of customer satisfaction

Customization



Flexibility in designing and manufacturing customized solutions relies on a 20 strong team of engineers in R&D, and an internal workshop including a powder coating line.

Bufferstock



Bestsellers are always available in stock. Buffer Stock is a commitment to the customer to offer him a fast to market delivery service.

Wide range



More than 130 models of fully customizable industrial vacuum cleaners allow us to always offer the right solution for every need.

Service supply chain



Each Delfin customer has a dedicated team of specialists at his service, with a direct contact person in every department guaranteeing direct, fast and efficient support.





ABSOLUTE
RELIABILITY,
GUARANTEED
PERFORMANCE.

Services

The advantage of owning a Delfin product does not stop at a top quality product, fast shipping, and a 2-year warranty. We guarantee a fast and accurate assistance service, committing to answer your questions within 24 hours.

References



Large companies have chosen to rely on Delfin, thanks to the quality of our products and services. Delfin's references include some of the most successful companies and premium brands worldwide, that have chosen our solutions to improve their efficiency.

LAVAZZA

 **Mylan**

 **Roche**


Mercedes-Benz

 **BOSCH**

 **Holcim**

QUALITY AND PRODUCTIVITY **CERTIFIED**

Certifications

A certified product is a safe product. Vacuum cleaners intended for use in risk-exposed areas and hazardous applications must be certified, preferably by a third party, in compliance with local and international regulations
Atex, Tuv and ISO | CE regulations with the range of FDA accessories



TÜV certification



CE marking
100% Made in Italy



ISO Quality
9001:2015



ATEX Certification



ETL Intertek
Marking

From product design to certification, our goal is to guarantee our customers the highest level in terms of product quality, safety, and functionality.





DELFIN WORLDWIDE

Delfin distributes its industrial vacuum cleaners all over the world, through a network of branches and specialist partners and distributors on the field, in more than 100 countries



Our branches

Delfin SRL



Settimo Torinese



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delfinvacuums.com

Delfin Deutschland Industriesauger GmbH



Osnabrück - Merchweiler



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Accessories

A wide range of hoses, nozzles,
tools and specific items
matching every application
need

Legend



Remote start



Stainless steel construction



Automatic filter cleaning system



OWR Filter



Hepa Filter



Other voltages



Other media filter



Atex Certification



Articulated suction arm



SINGLE-PHASE INDUSTRIAL VACUUM CLEANERS

DRY AND WET&DRY

SINGLE-PHASE

VACUUM CLEANERS



Single phase vacuum, using by-pass motors, are designed to work on non-continuous duty.

They include several models specifically designed for dry or wet & dry applications: from compact and mobile to larger and sturdier, from high filtration capacity to large collection capacity, they are ideal machine to collect mixed materials for daily cleaning operations in a large number of industries and applications.



HIGH SUCTION PERFORMANCE



COMPACT, MOBILE AND MANEUVERABLE



**EASY MAINTENANCE
INTEGRATED FILTER CLEANING**





Dry Vacuum cleaners

Compact and handy vacuum cleaners with 1 or 2 single-phase motors. Ideal for suction of fine dust thanks to large surface filters and different types of filtration available and numerous construction options.



Single-phase
By-pass motors



Cartridge filter
with PTFE coating and
protection cyclone



Roll-out
container

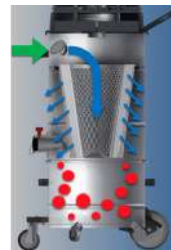


Dustop
Integrated filter
cleaning system



Dustop filter cleaning system

Enables quick & easy, self-contained, manual cleaning of the filter, thanks to a reverse air pulse system exploiting the inside / outside pressure difference. Shut the suction inlet, open the cleaning flap a few times, and increase filter efficiency in a matter of seconds.



Features

		301 DUST	202 DS
Voltage - Power	V - kW	230 1~ 1,15	230 1~ 2,3
Max waterlift	mmH ₂ O	2500	2500
Max air flow	m ³ /h	180	360
Filter IEC60335-2-69	cm ² - Class	6.000 - M PTFE	30.000 - M PTFE
Capacity	lt	13	20
Dimensions	cm	46x48x85h	59x48x110h
Weight	kg	25	35



Optionals





Dry Vacuum cleaners

Single-phase industrial vacuums for suction of mixed solid and dusty materials. With 2 or 3 single-phase motors and large collection capacity. The ideal solution for general cleaning in any industrial environment.

SINGLE-PHASE

VACUUM CLEANERS



Single-phase
By-pass motors



Large surface
Star Filter



Roll-out
container



Self-contained
Manual
filter cleaning system



Accessory kit included



Accessory kit included with models 451, 452 and DM3 EL.
Example picture, features may vary

Features

		451	452DS	DM3 EL	DM3
Voltage - Power	V - kW	230 1~ 1,15	230 1~ 2,3	230 1~ 3,45	230 1~ 3,45
Motors		Brushless	2x By-pass	3x By-pass	3x By-pass
Max waterlift	mmH ₂ O	2250	2500	2500	2500
Max air flow	m ³ /h	215	360	540	540
Filter IEC60335-2-69	cm ² - Class	20.000 - M ANT	20.000 - L	30.000 - L	30.000 - M ANT
Capacity	lt	45	45	60	100
Dimensions	cm	58x63x123h	53x63x120h	67x66x134h	77x66x150h
Weight	kg	55	55	70	85

Optionals





Wet & Dry Vacuum cleaners

Compact and powerful wet & Dry vacuums providing wide choice of power (1, 2 or 3 motors) and capacity (50 to 120 lt.). Designed to handle liquids and limited quantities of dry material, with specific features such as pump out discharge of liquids available.



Double Filter kit
Wet and dry



Single-phase
By-pass motors



Quick and easy
Liquid discharge



Floating device
stops suction when
container is full



Simultaneous suction and discharge with the 802WXP

Thanks to the immersion pump, it is possible vacuum and discharge liquids fast and simultaneously



Accessory kit included



Sample picture

Features



Optionals

		501WD	802WD	802WXP	DM40WD
Voltage - Power	V - kW	230 1~ 1,15	230 1~ 2,3	230 1~ 2,3	230 1~ 3,45
Max waterlift	mmH ₂ O	2500	2500	2500	2500
Max air flow	m ³ /h	180	360	360	540
Filter IEC60335-2-69	cm ² - Class	Dry 8.000 - L Wet 4.000 - PPL 100µm	Dry 8.000 - L Wet 8.000 - PPL 300µm	8.000 - PPL 300µm	Dry 8.000 - L Wet 8.000 - PPL 100µm
Capacity	lt	50	80	80	120
Discharge of liquids		Discharge hose	Discharge hose	Immersion pump 100lt/min	Discharge valve
Dimensions	cm	52x40x90h	53x59x106h	53x59x105h	68x63x105h
Weight	kg	28	40	50	50



INOX





THREE-PHASE INDUSTRIAL VACUUM CLEANERS

FOR SOLIDS AND LIQUIDS

THREE-PHASE

VACUUM CLEANERS



Three-phase industrial vacuums are used for **heavy and continuous applications**. The Delfin range of three-phase vacuum cleaners is the widest on the market and features dry and wet & dry models.

Thanks to the exceptional performance of power and durability of the equipped side-channel turbines, they are the ideal vacuum cleaners to be integrated into production lines or for use in centralized suction systems.



IDEAL FOR CONTINUOUS WORK 24/7
100% MAINTENANCE FREE MOTOR



PRESSURE RELIEF VALVE INSTALLED
FOR MOTOR PROTECTION ON ALL
MODELS



HIGHLY CUSTOMIZABLE PRODUCTS





Three phase industrial vacuums

Medium size three phase industrial vacuums, providing the right match of suction power, filtration, dimensions and collection capacity: this range offers flexible solutions in mobile cleaning, small central vacuum systems and direct extraction applications.



Powerful side channel **blower** with pressure relief valve



Large surface **Star Filter**



Self-contained **Manual** filter cleaning system



Roll-out container



Optional **Cyclone** for additional protection of the filter

Optionals



Features



		ZFR EL	ZFR 75	DG 50-70 EXP	DG75	DG75 AF
Voltage - Power	V - kW	400 3~ 3	400 3~ 3	400 3~ 4-5,5	400 3~ 7,5	400 3~ 7,5
Max waterlift	mmH ₂ O	3000	2600	3200/3600	4000	3200
Waterlift - continuous		2300	2000	2600/3000	3200	2700
Max air flow	m ³ /h	318	370	420 - 530	530	700
Filter IEC60335-2-69	cm ² - Class	30.000 - L	30.000 - ANT M	30.000 - L	49.000 - ANT M	49.000 - ANT M
Capacity	lt	60	100	100	100	100
Dimensions	cm	79x66x170h	79x66x170h	66x118x145h	66x118x175h	66x118x175h
Weight	kg	90	95	145 - 150	170	170



Three phase heavy duty industrial vacuums

The industrial vacuum cleaners of the DG VL series combine exceptional performance with great resistance. Ideal for suction of large quantities of solid and mixed liquid in continuous applications or installed on centralized suction systems.

THREE-PHASE

VACUUM CLEANERS



Powerful side channel **blower** with pressure relief valve



Large surface **star Filter**



Semi-automatic **Self Clean** filter cleaning system with compressor installed



User friendly **Roll-out** container



Self Clean System

The system works thanks to an electropneumatic cylinder, powered by the installed compressor: by simply operating a lever on the control board, the operator can activate the cleaning cycle, that in a few seconds will shake the filter back to its highest efficiency. As an option, the system can be made fully automatic, by installing an additional timer



Optionals



Features



		DG VL MAN 110	DG VL 75	DG VL 125	DG VL 185	DG VL 150 SE
Voltage - Power	V - kW	400 3~ 11	400 3~ 7,5	400 3~ 12,5	400 3~ 18,5	400 3~ 15,5
Max waterlift		4000	4500	4000	4000	6000
Max waterlift in continuous	mmH ₂ O	2600	3200	2900	3200	5300
Max air flow	m ³ /h	1100	750	1100	1350	720
Filter IEC60335-2-69	cm ² - Class	70.000 - ANT M	70.000 - ANT M	70.000 - ANT M	70.000 - ANT M	70.000 - ANT M
Capacity	lt	160	160	160	160	160
Dimensions	cm	180x77x200h	180x77x200h	180x77x200h	180x77x200h	180x77x200h
Weight	kg	220	200	220	265	220



Three phase heavy duty industrial vacuums

Large size three phase industrial vacuums, providing the highest performance and match of suction power, filtration, dimensions and collection capacity: specifically designed for the heavy industry and handle large volumes of materials, this range offers flexible solutions in mobile cleaning and large central vacuum systems



Powerful side channel **blower** with pressure relief valve



Large surface **star Filter**



Automatic **AUT** filter cleaning system with compressor installed



User friendly **Roll-out** container



Automatic system AUT

An electro-pneumatic cylinder, powered by the compressor installed on board, shakes the polyester filter at regular and adjustable intervals, facilitating the detachment of dust and materials



Fork lift intakes



Features

		DG 200	DG 300 SE	DG 300 HD
Voltage - Power	V - kW	400 3~ 18,5	400 3~ 20	400 3~ 25
Max waterlift	mmH ₂ O	4400	5000	4000
Max waterlift in continuous		3200	4400	3100
Max air flow	m ³ /h	1350	1100	2050
Filter IEC60335-2-69	cm ² - Class	120.000 - ANT M	120.000 - ANT M	120.000 - ANT M
Capacity	lt	220	220	220
Dimensions	cm	92x220x220h	92x220x220h	92x220x220h
Weight	kg	660	760	805

Optionals



THREE-PHASE

VACUUM CLEANERS



INDUSTRIAL COMPRESSED AIR VACUUM CLEANERS



Compressed air vacuums are the ideal solution for environments with no or little availability of electrical power supply, or where the use of electrical equipment is prohibited for safety reasons (e.g., flooding, risk of explosion).

Delfin compressed air vacuums work with Venturi units of its own design, providing outstanding ratio between air consumption and suction performance; they are available in different sized and models, for multiple dry and wet & dry applications.



**IDEAL FOR APPLICATIONS
WITH LITTLE OR NO
ELECTRICAL POWER SUPPLY**



**COMPACT, HANDY AND
POWERFUL**



**LOW CONSUMPTION OF
COMPRESSED AIR**



COMPRESSED AIR

VACUUM CLEANERS



Compressed air vacuum cleaners

Wide range of industrial vacuums for all types of use, powered by low air consumption Venturi units. The ideal solution for suction of dust, solids and liquids in the absence or shortage of electrical power supply.



Venturi
multi-nozzle units
with low air consumption



Large selection of filters for each type of application



Do you have to recover shot blasting grit?
Try AIR201!

Large collection capacity

Simplified discharge thanks to a user friendly manual butterfly valve

High mobility thanks to wheels and fork lift intakes



Optionals



Features

		802 AIR	202 AIR	452 AIR	DM3 AIR HD	DM3 AIR HD 25V
Applicazione		Liquids	Dusts	Dusts and liquids	Dusts and liquids	Dusts and liquids
Air supply - Pressure	nlit/min - bar	3000 - 6	1500 - 6	3000 - 6	1530 - 6	2500 - 6
Max waterlift	mmH ₂ O	4180	4180	4180	5000	5000
Max air flow	m ³ /h	300	150	300	465	590
Filter IEC60335-2-69	cm ² - Class	Dry 8.000 - L Wet 4.000 - 100µm	30.000 - M PTFE	20.000 - ANT M	30.000 - ANT M	30.000 - ANT M
Capacity	lt	80	20	45	100	100
Dimensions	cm	53x59x100h	59x48x101h	55x62x119h	62x62x160h	62x62x160h
Noise level EN ISO 3744	dB (A)	73	73	73	74	74
Weight	kg	33	30	49	80	80



ATEX CERTIFIED INDUSTRIAL VACUUM CLEANERS

Delfin ATEX vacuums are designed to guarantee maximum safety in ATEX rated environments, where only certified equipment can be used. For such areas we provide a wide range of machines of multiple size, power, applications, that are tested and certified to prevent generating any source of ignition, be it from static energy, temperature or mechanical impact.

The design, choice of components and accessories, and certified compliance even for high risk areas, makes them the priority choice for anybody looking for the safest ATEX solution.

ATEX

VACUUM CLEANERS



THE WIDEST RANGE OF ATEX CERTIFIED VACUUMS



EXCLUSIVE CERTIFICATE FOR ZONE 20 (INTERNAL)



MAXIMUM SAFETY DURING THE SUCTION OF EXPLOSIVE DUST





ATEX Regulation

ATEX stands for “**AT**mosphères **EX**plosives” and refers to the **directives of the European Union** (mainly 2014/34 / EU) which regulate the production and certification of equipment in areas exposed to the risk of explosion.

Risk areas

	Area	Risk	Category
Gas	0	Continuous	1G
	1	Occasional	2G
	2	Rare	3G
Dust	20	Continuous	1D
	21	Occasional	2D
	22	Rare	3D

Atex certified solutions

Ex ATEX Z22



Industrial Electric Vacuum Cleaners for Zone 22:
Ex II 3D Ex tc IIIB T135°C X Dc

Industrial Electric Vacuum Cleaners for Zone 22:
Ex II 3D Ex h IIIB T85°C Dc

Ex ATEX Z20/21



Industrial Electric Vacuums certified by independent third party as Z20 internal and Z21 external compliant
Ex II 1/2D Ex h IIIC T160°C Da/Db

Ex ATEX Z20/22



Industrial Electric Vacuums certified by independent third party external Z20 internal and Z22 external compliant
Ex II 1/3D Exh IIIB T135°C Da/Dc

Ex ATEX Z0/1-2



Industrial compressed air vacuums certified for by independent third party as Z0 and Z1 – 2 compliant
Ex II 1/2G Ex h IIB T6 Ga/Gb

Ex ATEX Z1-2/21-22



Industrial vacuum cleaners certified by independent third party for Z1-2 and Z21-22
Dust: Ex II 2D Ex h IIIC T85°C Db
Gasses: Ex II 2G Ex h IIB T6 Gb

Ex INERT



Industrial vacuums with certified container for explosive dust
Ex II 3D Ex h IIIC T85°C X Dc

ATEX

VACUUM CLEANERS

Zone 22 certified vacuum cleaners

Industrial vacuums certified for zone 22 (IIID) classified areas, with safety features such as earth grounding, antistatic filters, brushless non-sparking motors. Suitable for multiple applications thanks to a wide choice of sizes, power and features and options



Powerful, maintenance free **Brushless motor**



Antistatic filter, class M, high surface



Maximum safety thanks to the complete earth grounding of the machine



DM3 2BL The first ATEX vacuum cleaner with two Brushless motors!

Very high performance
Potentiometer to adjust the suction power
10.000 working hours guaranteed

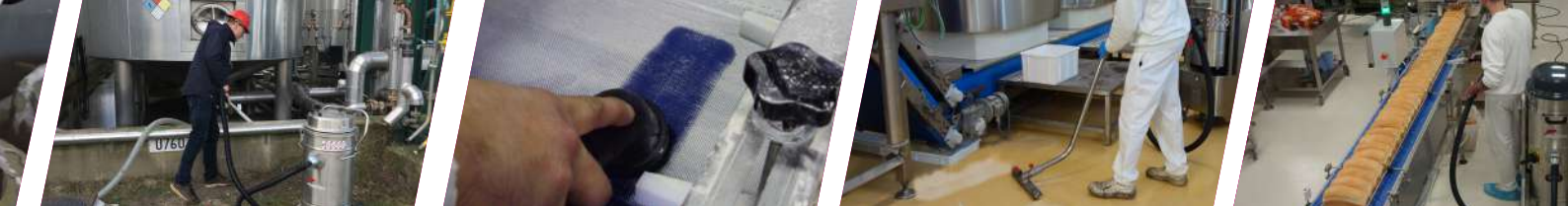


Optionals



Features

		300 BL	202 BL	802WD	451 BL	DM3 2BL
Marking		Ex II 3D Ex tc IIIB T135° C X Dc	Ex II 3D Ex tc IIIB T135° C X Dc	Ex II 3D Ex tc IIIB T135° C X Dc	Ex II 3D Ex tc IIIB T135° C X Dc	Ex II 3D Ex tc IIIB T135° C X Dc
Voltage - Power	V - kW	230 1~ 1,1	230 1~ 1,1	230 1~ 1,1	230 1~ 1,1	230 1~ 2,2
Max waterlift	mmH ₂ O	2250	2250	2250	2250	2250
Max air flow	m ³ /h	215	215	215	215	430
Filter IEC60335-2-69	cm ² - Class	4.000 - ANT M	30.000 - ANT M	8.000 - ANT M	20.000 - ANT M	30.000 - ANT M
Capacity	lt	40	20	80	45	100
Dimensions	cm	44x42x78h	57x48x108h	51x59x116h	58x63x135h	77x66x150h
Weight	kg	25	35	40	55	85



Zone 20 Internal certified vacuum cleaners

Dust (Category IIIB)

Industrial vacuum cleaners for use in potentially explosive areas Atex 22 due to the presence of non-conductive explosive dust



Powerful, maintenance free
Brushless motor



Large surface
antistatic filter



Absolute filter
H14 included






Overpressure valve installed
for **maximum safety**

ATEX

VACUUM CLEANERS

Features

				
		300 BL 1/3D	202 BL 1/3D	451 BL 1/3D
Marking		Ex II 1/3D Exh IIIB T135° C Da/Dc	Ex II 1/3D Exh IIIB T135° C Da/Dc	Ex II 1/3D Exh IIIB T135° C Da/Dc
Voltage - Power	V - kW	230 1- 1,1	230 1- 1,1	230 1- 1,1
Max waterlift	mmH ₂ O	2250	2250	2250
Max air flow	m ³ /h	215	215	215
Filter IEC60335-2-69	cm ² - Class	4.000 - ANT M 20.500 - H14	30.000 - ANT M 20.500 - H14	8.000 - ANT M 20.500 - H14
Capacity	lt	40	20	45
Dimensions	cm	44x42x78h	57x48x108h	58x63x135h
Weight	kg	25	35	55



Zone 20 Internal certified vacuum cleaners

Dust (Category IIIC)

Industrial vacuum cleaners for use in areas with high risk of explosion due to the presence of explosive and conductive dust. Certification of the vacuum cleaner in zone 20 internal, certification for zones 21 or 22 external.



Powerful, maintenance free side channel blower,
Atex certified by the manufacturer



Large surface antistatic filter



Absolute filter H14 included



Wide range of certified vacuum cleaners up to 18.5 kW

Optionals



Features

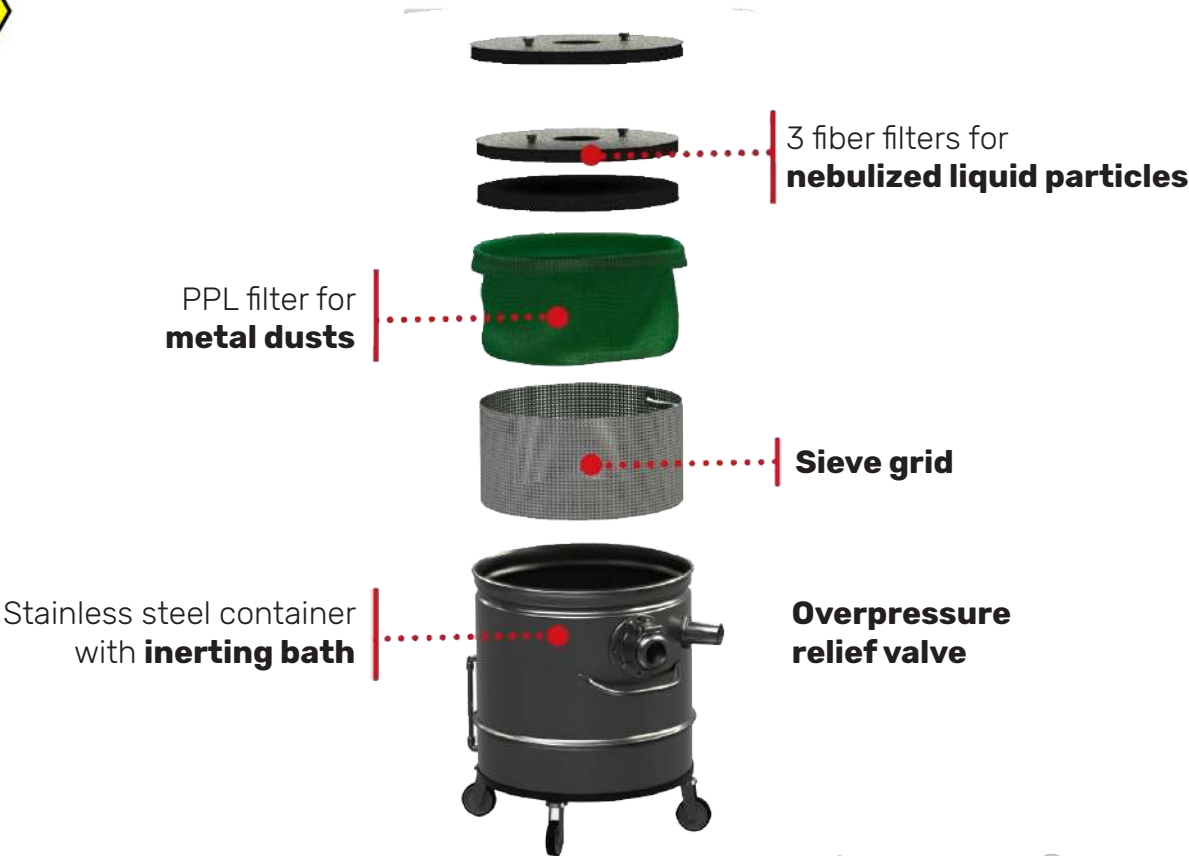
		202 DS ECO	3533	DG EXP	DG VL	DG HD
Marking		Ex II 1/2D Ex h IIIC T160°C Da/Db	Ex II 1/2D Ex h IIIC T160°C Da/Db	Ex II 1/2D Ex h IIIC T160°C Da/Db	Ex II 1/2D Ex h IIIC T160°C Da/Db	Ex II 1/2D Ex h IIIC T160°C Da/Db
Voltage - Power	V - kW	230 3~ 2,2	400 3~ 4	400 3~ 4	400 3~ 7,5	400 3~ 18,5
Max waterlift	mmH ₂ O	1800	2700	2300	2700	1800
Max air flow	m ³ /h	250	320	420	700	2050
Filter IEC60335-2-69	cm ² - Class	30.000 - ANT M 20.500 - H14	20.000 ANT M 27.000 - H14	30.000 - ANT M 26.500 - H14	70.000 - ANT M 52.000 - H14	120.000 - ANT M 103.500 - H14
Capacity	lt	20	45	100	160	220
Dimensions	cm	52x48x120	98x55x125h	60x103x170h	180x77x200h	95x180x220h
Weight	kg	64	85	145	200	810





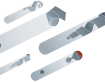
Solutions for the inertization of conductive and explosive dusts

The inerting system is designed to collect and dispose in full safety explosive dust and particles: explosive materials are vacuumed inside the container, where they come in contact with a liquid (inerting bath) that immediately makes them non-explosive.



Features

		INERT PRE-SEPARATOR	451 BL INERT	ZEFIRO 75 INERT	DG 50 EXP INERT
Marking of the vacuum cleaner			Ex II 3D Ex tc IIIB T135°C X Dc	Ex II 3D Ex tc IIIB T135°C X Dc	Ex II 3D Ex tc IIIB T135°C X Dc
Marking of the container		Ex II 3D Ex h IIIC T85°C X Dc	Ex II 3D Ex h IIIC T85°C X Dc	Ex II 3D Ex h IIIC T85°C X Dc	Ex II 3D Ex h IIIC T85°C X Dc
Voltage - Power	V - kW	-	230 1- 1,1	400 3- 3	400 3- 4
Max waterlift	mmH ₂ O	-	2250	2600/2000	3200/2700
Max air flow	m ³ /h	-	215	370	420
Filter IEC60335-2-69	cm ² - Class	-	20.000 - ANT M	20.000 - ANT M	30.000 - ANT M
Oil - Dust Capacity	lt	27-13	8-4	27/13	27/13
Weight		36	62	105	155 kg
Dimensions	cm	50x60x112h	57x48x108h	79x66x170h	66x118x145h





AIREX compressed air vacuums

Industrial vacuum cleaners certified ATEX for zones 1, 2, 21, 22, suitable for wherever the use of electricity is not possible or forbidden. Designed to collect explosive and conductive dusts as per category IIIC



Venturi
multi-nozzle units
with low air consumption



Wide choice of **filters**
for every type of
application

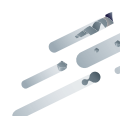


AISI 304 stainless steel
Construction



Features

		202 AIREX	352 AIREX	802 AIREX	DM3 AIREX 19V - 25V
Marking		2GD Ex II 2D Ex h IIIC T85°C Db; Ex II 2G Ex h IIB T6 Gb	2GD Ex II 2D Ex h IIIC T85°C Db; Ex II 2G Ex h IIB T6 Gb	2GD Ex II 2D Ex h IIIC T85°C Db; Ex II 2G Ex h IIB T6 Gb	2GD Ex II 2D Ex h IIIC T85°C Db; Ex II 2G Ex h IIB T6 Gb
Air supply - Pressure	nlt/min - bar	1500 - 6	3000 - 6	3000 - 6	1530 -6 /2500 - 6
Max waterlift	mmH ₂ O	4180	4180	4180	5000
Max air flow	m ³ /h	150	300	300	465 / 590
Filter IEC60335-2-69	cm ² - Class	30.000 - ANT M	20.000 - ANT M	8.000 - ANT M	30.000 - ANT M
Capacity	lt	20	45	80	100
Dimensions	cm	50x48x100h	70x55x127h	62x53x108h	62x62x160h
Noise level	dB(A)	73	73	73	74
Weight	kg	36	50	36	80





WET AIREX certified solutions

Industrial vacuum cleaners Atex certified for suction of flammable liquids.
Explosion-proof Atex gas 1 / 2G certified



Certified to vacuum
flammable liquids



Venturi units with low air consumption



AISI 316 stainless steel
Cartridge filter



Activated carbon filter



Features

		501 WET AIREX	802 WET AIREX
Marking		Ex II 1/2G Ex h IIB T6 Ga/Gb	Ex II 1/2G Ex h IIB T6 Ga/Gb
Air supply - Pressure	nlt/min -bar	1500 - 6	3000 - 6
Max waterlift	mmH ₂ O	4180	4180
Max air flow	m ³ /h	150	300
Filter IEC60335-2-69	cm ² - Class	1,600 Stainless steel + Activated carbon	1,600 Stainless steel + Activated carbon
Capacity	lt	50	80
Dimensions	cm	52x40x90h	62x53x108h
Weight	kg	25	36



INDUSTRIAL VACUUM CLEANERS FOR RECOVER AND SEPARATION OF **OIL** AND **SWARF**

TECNOIL

VACUUM CLEANERS



The industrial vacuum cleaners of the Tecnoil range are the ideal solution to always guarantee the maximum efficiency of machine tools in industries that carry out mechanical processing.

They enable to quickly remove oils and emulsions from the machine tools mixed with the metal shavings left over from the processes, filter them and put them back into the system ready to be reused for subsequent work cycles. The use of Delfin oil and chip vacuum cleaners, therefore, enables the reuse of emulsions, guaranteeing economic savings on the purchase of oils, reducing maintenance and downtime.



**RECOVER AND REUSE
OF LUBRICANT OIL**



**SAVINGS ON THE PURCHASE OF OIL
AND DISPOSAL OF SWARFS**



**REDUCTION OF MAINTENANCE
TIME AND MACHINE STOPS**

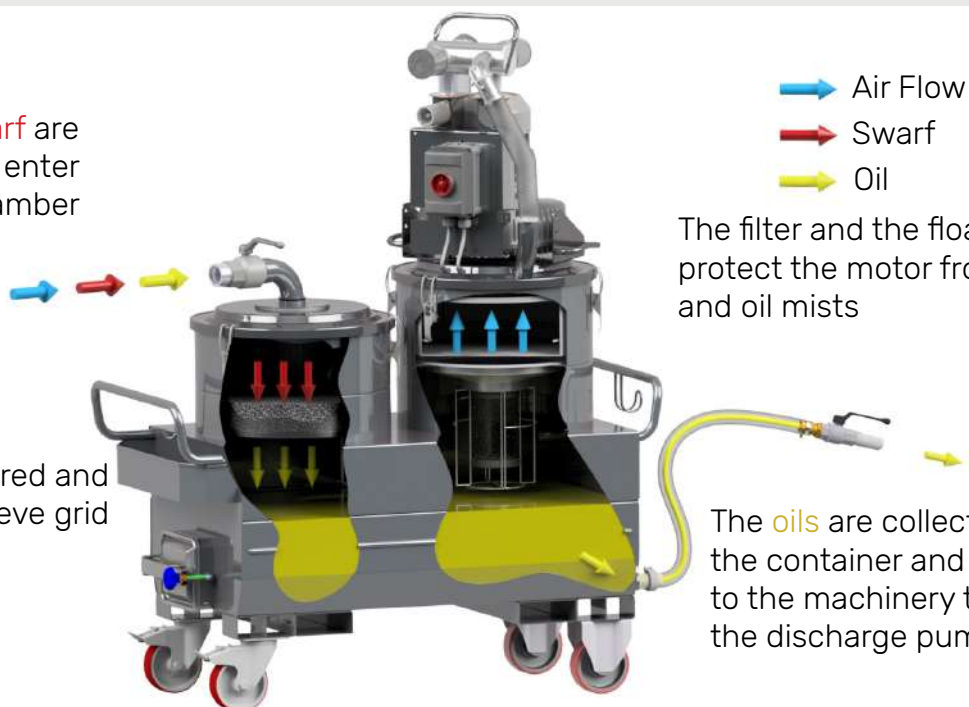




How does it work?

Oil and Swarf are vacuumed and enter the filter chamber

Swarfs are filtered and held into the sieve grid



- ➡ Air Flow
- ➡ Swarf
- ➡ Oil

The filter and the floating protect the motor from oil and oil mists

The oils are collected in the container and returned to the machinery through the discharge pump

Oil and swarf

The use of vacuum cleaners for oil and swarf allows the reuse of emulsions, guaranteeing economic savings and reducing the time for maintenance



Swarf and shavings

Tecnoil vacuums make it possible to collect and separate large quantities of metal chips and shavings, simply, safely and quickly



Oil and swarf vacuum cleaners up to 100/40 liters

Compact and powerful vacuum cleaners for suction of oils and swarfs with an integrated liquid discharge system. The vacuum motors are protected by several levels of filtration, designed and selected with specific regard to the liquids most frequently collected: oil, coolant, emulsions.



Polypropylene filter for solid and liquid separation and high-efficiency **3D Superweb Filter**



Level indicator and **float system** to stop the suction when container is full



Simultaneous **suction and discharge** thanks to the immersed pump



Grid basket for easy swarf removal

Features

		DM40 OIL	TC 100 IF	TC 100 MPI
Voltage - Power	V - kW	230 1~ 3,45	400 3~ 3	230 1~ 3,45
Max waterlift	mmH ₂ O	2500	3000/2700	2500
Max air flow	m ³ /h	540	318	540
Filter IEC60335-2-69	cm ² - Class	Poliester - L PPL 300 micron	Superweb 3D PPL 300 micron	Superweb 3D PPL 300 micron
Liquids - Solids Capacity	lt	100 - 40	100 - 40	100 - 40
Discharge system		Exhaust valve	Reverse flow	Immersed pump
Dimensions	cm	67x66x125h	67x66x135h	67x66x125h
Weight	kg	65	95	70

Optionals

OWR



Oil and swarf vacuum cleaners up to 220/40 liters

Vacuum cleaners for medium quantities of oil and swarf with integrated discharge system. Level control, float and extractable basket. Multiple stages of separation and filtration enable to fine-filter the liquid, while oil mist filters floating guarantee protection of the motor.



Powerful side channel blower with reverse flow for liquid discharge



20 micron
Superweb 3D filter



Fork lift
intakes



Hatch
for internal cleaning



Water repellent OWR filter to protect the motor - Optional

This filter cartridge traps a large amount of the nebulized oil and liquid particles , protecting the motor and avoiding dispersion of oil mist in the environment



Features

		TC 220 IF	TC 220 MPI
Voltage - Power	V - kW	400 3~ 3	230 1~ 3,45
Max waterlift	mmH ₂ O	3200/2700	2500
Max air flow	m ³ /h	318	540
Filter IEC60335-2-69	cm ² - Class	3D Superweb PPL filter optional	3D Superweb PPL filter optional
Liquids - Solids Capacity	lt	220 - 40	220 - 40
Discharge system		Reverse flow	Submerged pump
Dimensions	cm	110x63x181h	110x63x14h
Weight	kg	185	165

Optionals

OWR



TECNOIL

VACUUM CLEANERS

Oil and swarf vacuum cleaner up to 400/50 liters

Powerful oil and chips vacuums, designed to collect large quantities of oil, coolant, emulsion and separate it from chips, with optional upgrade to fine filtration. Guarantees fast recovery of clean oil thanks to reverse flow or a powerful discharge pump



Powerful side channel blower with reverse flow for liquid discharge



Sieve grid for easy chip removal



Tilting Hopper for chip discharge



Hatch for internal cleaning



Fast discharge of filtered liquids



Features

		TC 400 IF	TC 400 T43
Voltage - Power	V - kW	400 3~ 4	400 3~ 4,3
Max waterlift	mmH ₂ O	3200	5100
Waterlift - Continuous use		2600	4400
Max air flow	m ³ /h	420	320
Filter IEC60335-2-69	cm ² - Class	3D Superweb PPL filter optional	3D Superweb PPL filter optional
Liquids - Solids Capacity	lt	400 - 50	400 - 50
Discharge system		Reverse flow	Pump
Dimensions	cm	140x70x180h	140x70x180h
Weight	kg	225	250

Optionals

OWR





Oil and swarf vacuum cleaners up to 600 liters

The most powerful vacuum cleaner in the range dedicated to the recovery and separation of oil from chips. Powerful turbine, liquid collection capacity of 600 liters and chip of 75 liters, independent discharge pump. Maintenance of machine tools will no longer be a problem thanks to this vacuum cleaner.



Sludge removal from CNC collection tanks



Polypropylene filter for solid and liquid separation and **Superweb 3D** filter for oily mists



Removable container for disposal of the vacuumed chips



Forklift intakes on **both sides**

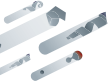


Fast discharge of filtered liquids

Features



		TC 600
Voltage - Power	V - kW	400 3~ 11
Max waterlift	mmH ₂ O	6000/5300
Waterlift - Continuous use		
Max air flow	m ³ /h	480
Filter IEC60335-2-69	cm ² - Class	3D Superweb
Liquids - Solids Capacity	lt	610 - 78
Discharge system		Pump
Dimensions	cm	195x72x195h
Weight	kg	405





Dry Industrial vacuum for collection of large volumes

Three-phase industrial vacuum with modular , detachable suction and collection units. Easy to handle and safe during unloading operations, suitable to handle large volumes of dry material.

LARGE QUANTITIES

VACUUM CLEANERS



Powerful side channel blower with relief valve



Fork lift Intakes



Window for visual control of the filling level



Safe and fast front discharge via safety lever

Features



		C600 T75	C600 T125	C600 T150 SE
Voltage - Power	V - kW	400 3~ 7,5	400 3~ 12,5	400 3~ 15
Max waterlift	mmH ₂ O	4000	4000	6000
Waterlift - Continuous use		2700	2900	5300
Max air flow	m ³ /h	700	1100	720
Filter IEC60335-2-69	cm ² - Class	49.000 ANT M	49.000 ANT M	49.000 ANT M
Capacity	lt	600	600	600
Dimensions	cm	220x100x220h	220x100x220h	220x100x220h
Weight	kg	250	270	290



Vacuum separator for large quantities of material

The vacuum separator B200 M has a large collection capacity of solid materials, with the possibility to separate solids from liquids. The tilting container enables easy and fast discharge of the vacuumed material and is provided with forklift intakes



Single-phase By-pass motors

Large surface **antistatic filter**

Discharge by tilting

Fork lift Intakes

LARGE QUANTITIES
VACUUM CLEANERS

Features



		B200M
Voltage - Power	V - kW	230 1~ 3
Max waterlift	mmH ₂ O	2400
Max air flow	m ³ /h	540
Filter IEC60335-2-69	cm ² - Class	12.000 L
Solids - liquids Capacity	lt	30 - 200
Discharge system		Tilting
Dimensions	cm	93x81x124h
Weight	kg	160



INDUSTRIAL VACUUM CLEANERS **FOR** **PHARMACEUTICAL, FOOD AND OEM** **INDUSTRIES**

FOOD, PHARMA, OEM

VACUUM CLEANERS

The pharmaceutical and food industries must always guarantee the highest quality of the finished product. For this reason, cleanliness, hygiene and safety are a priority in all these industries.

Delfin manufactures vacuum cleaners and pneumatic conveyors for cleaning, extraction and transport purpose, to guarantee the highest quality, safety and efficiency in food and pharmaceutical production



**MAXIMUM QUALITY OF
FINISHED PRODUCTS**



**AVOID CROSS
CONTAMINATION**



**FULL COMPLIANCE
WITH GMP STANDARDS**





Industrial vacuum cleaners for cleaning production lines and machinery



Industrial vacuums for clean rooms



Fixed suction units for direct extraction on production machinery



Trim extractor to collect light, bulky, production scraps from packing and other machinery



Pneumatic conveyors for powders and solids



FOOD, PHARMA, OEM

VACUUM CLEANERS

Vacuum cleaners for cleaning operations

Vacuum cleaner specifically designed for the needs of the food, chemical and pharmaceutical industries. Large filtering surface with the possibility of additional H14 / HEPA filters for suction of fine, hazardous dust. Designed with smooth surfaces to facilitate sainting as per GMP, it's available with multiple options including full stainless steel construction and product bagging systems.



Powerful side channel blower with relief valve



Large surface antistatic star filters



Comfortable **Roll-out** container



Low sound level

Optionals



Features



		PHARMA 20/30	4533	4534	4535
Alimentazione / Potenza	V - kW	400 3~ 1,8/2,2	400 3~ 2,2	400 3~ 3	400 3~ 4
Max waterlift	mmH ₂ O	2300/2600	2600	3200	3200
Waterlift - Continuous use		1800/1900	1900	2700	2600
Max air flow	m ³ /h	250	318	318	420
Filter IEC60335-2-69	cm ² -Class	30.000 M PTFE	20.000 ANT M	20.000 ANT M	20.000 ANT M
Container Capacity	lt	33	45	45	45
Noise	dB(A)	67	69	69	69
Dimensions	cm	52x69x147h	100x55x125h	100x55x125h	100x55x125h
Weight	kg	72/75	85	85	90

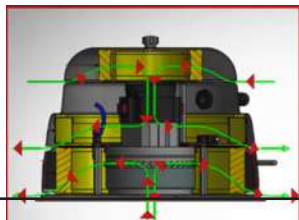


Vacuum cleaners for clean rooms

Range of compact vacuums designed for use in sterile environments: Labcontrol vacuums are available with up to 6 filtration levels to comply with the ISO4 classification of clean rooms and ensure maximum cleanliness of the air on the exhaust. Designed for fast assembly and easy sanitizing , autoclavable.



Clean Room compliance up to **ISO4**



Up to **6 levels of HEPA / ULPA** air filtration



Autoclavable mirror polished container in **AISI316 stainless steel**



Autoclavable **accessories kit** available

Features

		Microtec	LC 1000D	LC 1100 WD
Voltage - Power	V - kW	230 1~ 1	230 1~ 1	230 1~ 1
Max waterlift	mmH ₂ O	2900	2900	2500
Max air flow	m ³ /h	175	175	180
Solids - liquids Capacity	lt	15 - 0	5 - 0	25 - 40
Primary filter	cm ² - Class	2000 - M PTFE	2000 - M PTFE	3000 M - PTFE
Filter in Suction and Blowing		H14 Included	U15 standard	U15 standard (Opt in blowing)
Cooling air filter		-	-	U15 standard
Dimensions	cm	30x35x50h	36x33x51h	43x43x73h
Weight	kg	12	20	27

Optionals

-
-
-



Vacuums with direct extraction on machinery

The DBF / DBFV vacuum units are designed to for direct, continuous extraction of production of industrial machinery from various types of industries. Compact, modular and performing without maintenance.

MACHINERY INTEGRATION

VACUUM CLEANERS



Powerful side channel blower with relief valve



Compact units easy to integrate in narrow spaces



Easily **detachable** container



Horizontal or vertical modular units available

Optionals



Features



		DBF 05 -10	DBF20 - 30	DBFV 05 - 10	DBFV 20- 30
Voltage - Power	V - kW	400 3~ 0,4 / 0,85	400 3~ 1,8 / 2,2	400 3~ 0,4/0,85	400 3~ 1,8 / 2,2
Max waterlift	mmH ₂ O	1750 / 2000	2300 / 2500	1750 / 2000	2300 / 2500
Waterlift - Continuous use		1400 / 1400	1800 / 1900	1400 / 1400	1800 / 1900
Max air flow	m ³ /h	100 / 150	250 / 318	100 / 150	250 / 318
Capacity	lt	15	15	65 / 69	15 / 15
Vertical Dimensions	cm	42	71	73	113
Horizontal Dimensions	cm	75x34	44x84	50X33	54X42
Weight	kg	30/35	45/60	30/35	45/60



Industrial trim extractor

The AS range of vacuums is designed for the extraction of scraps and waste generated during production by packaging and other types of machinery. The collected waste, which is typically light and bulky, is collected and compacted into a nylon bag, easy and quick to remove.. All AS vacuums can work 24/7 and are provided with an integrated silencer and a window for bag filling control.



Powerful side channel blower with relief valve



Silencer for noise reduction



Direct integration on machinery and production lines



Suction from above and **compression** of the collected waste, exploiting full capacity and preventing clogging

TRIM EXTRACTION

VACUUM CLEANERS

Optionals



Features



		AS 10	AS 20	AS 30	AS 70
Voltage - Power	V - kW	400 3~ 0,85	400 3~ 1,8	400 3~ 2,2	400 3~ 5,5
Max waterlift	mmH ₂ O	2000	2300	2500	3600
Waterlift - Continuous use		1400	1800	2000	3000
Max air flow	m ³ /h	150	250	318	530
Capacity	lt	130	130	130	210
Filter	cm ² - Class	L Bag	L Bag	L Bag	L Bag
Dimensions	cm	59x55x132	59x55x132	59x55x132	63x100x125h
Weight	kg	60	68	69	125



PNEUMATIC CONVEYORS

CONVEYORS

PNEUMATIC



Transport of powders, solid or granular materials is a very delicate phase of production processes.

Pneumatic conveyors represent the best transport solution for industrial applications, the only one capable of eliminating product dispersions and completely eliminating the risk of contamination.



ELIMINATE THE RISK OF CONTAMINATION



NO ALTERATION OR DEMIXING OF THE HANDLED PRODUCT



SIMPLE INSTALLATION AND LOW MAINTENANCE COSTS



SAFETY AND HEALTH OF THE WORKING ENVIRONMENTS





Handling Solutions

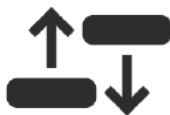
The dense or dilute phase pneumatic conveyors can find different applications related to the handling of dusty, granular or solid material in many types of industries.



HANDLING



SEPARATION



LOAD/DISCHARGE



DISTRIBUTION



BLENDING



DOSAGE



CONVEYORS
PNEUMATIC

Features

- > AISI304 stainless steel manufactured
- > Total customization
- > CE certificate and for use in the food industry
- > ATEX zone 21 or 22 certification available
- > Wide range of accessories available

Suction unit

- > Electric singlephase or threephase (1 to 17,3 kW)
- > Pneumatic multijet Venturi unit (4 to 15 nozzles)

Loading unit

- > Tangential inlet from 40 up to 100 mm
- > Capacity from 8 up to 65 lt

Discharge unit

- > Discharge size from 100 up to 250 mm
- > Clapet valve, butterfly valve

Filtration unit

- > Food contact certified polyester or AISI316 stainless steel filters
- > Automatic filter cleaning systems

Further optionals

- > Suction nozzle
- > Hopper for product collection
- > Customized finishing
- > Discharge valve line
- > Max level sensor on the conveyor or receiver system
- > Fixed or dynamic frame



Pneumatic Models (6bar)		
Multi-jet Venturi		4-15
Air consumption	NI/min	370-1400
Water lift	mbar	750
Airflow	m³/h	110-380

Electric models (50Hz)		230V 1~	400V 3~
Voltage	kW	1,15	2,2 - 17,3
Air consumption	NI/min	250	250
Max waterlift	mbar	235	210-540
Max air flow	Airflow	170	318-1.200



DUST COLLECTORS

DUST COLLECTORS

VACUUM CLEANERS



The main feature of the Delfin Dust collectors is a very high air flow, which enables to extract airborne dust and light particles.

They can be used as direct extractors connected to process machinery, or as mobile units with extraction arms



FIXED OR MOBILE APPLICATION



LOCAL EXTRACTION OF AIRBORNE DUST AND PARTICLES



CERTIFIED SAFETY





The importance of filtration

Efficient filtration is essential to avoid contamination of products and production environments, while ensuring production quality and operator safety.

Delfin dry filters are certified by BIA institute and protect the environment and operators' health, even when working with the finest dust microparticles

- Primary filters of **Class M or H ***
- **H14 HEPA** filtration for extremely fine dusts, up to 99,995% of microparticles as small as 0,18 micron
- User friendly and efficient integrated manual or automatic filter cleaning systems
- D.O.P. test report available on request

*Reference standard IEC / EN 60335-2-69, H14 with individual tracking of the filter



DUST COLLECTORS

VACUUM CLEANERS



Class M

Filter suitable for fine dust up to 1 micron



H14 HEPA filter

Suitable for fine dust Efficiency 99.995% at 0.18 microns



Antistatic filter
to avoid build-up of static electricity



OWR
Water-repellent filter to protect the motor



PTFE

Coated filter class M
Suitable for sticky powders



NOMEX

Heat resistant filter up to 180 ° ideal for hot dusts



Activated carbon
Traps and reduces bad odors



PPL filter

Suitable for 300 or 100 micron oil filtration



Dust collectors with extraction arm

Mobile dust collectors with powerful electric fans that generate high air flow, with polyester star or cartridge filters, and integrated manual or automatic filter cleaning systems. Suitable for any issue of local extraction of airborne particles generated by spillages, product transfer, packing and loading, or mechanical operations such as grinding, chipping, cutting of light materials.

DUST COLLECTORS

VACUUM CLEANERS



Electro-fan
providing high airflow,
with integrated silencer



High efficiency filters
available
in multiple options



Manual or automatic
filter cleaning systems



Optional **extraction arm**
available

Optionals



Features




		EV 420	EV 500	EV 560	EV 560 PN	EV 560 PN 4kW
Voltage - Power	V - kW	400 3~ 0,75	400 3~ 2,2	400 3~ 4	400 3~ 2,2	400 3~ 4
Nozzle Ø	mm	100	150	200 150 120	150	200 150 120
Max waterlift	mmH ₂ O	180	280	200 300 350	280	200 300 350
Max air flow	m ³ /h	1000	1300	2700 1800 1100	1300	2700 1800 1100
Capacity	lt	45	100	100	100	100
Filter	cm ² -mm	20.000 - L	30.000 - L	50.000 - ANT M	106.000 ANT M	106.000 ANT M
Filter Cleaning System		Manual	Manual	Manual	Reverse air pulse automatic filter cleaning system	
Dimensions	cm	52x60x180h	62x62x220h	78x85x250h	78x85x250h	78x85x250h
Weight	kg	60	100	130	125	140



Dust Collector Cube

High air flow industrial dust collector for localized or on board suction of fine dust. The large filter cartridges guarantee total filtration of the extracted dust. An extractable container enables quick and easy disposal of the dust.

Electro-fan
capable of generating
very high air flow values



Filters with very **high**
filter surface



Easy
Roll-out
container



Optional **extraction arm**
available



Features

		CUBE 10	CUBE 20	CUBE 40
Voltage - Power	V - kW	400 3~ 1,1	400 3~ 1,5	400 3~ 3
Max waterlift	mmH ₂ O	144 - 121	142 - 115	270 - 191
Max air flow	m ³ /h	1350 - 2100	1350 - 2400	2100 - 3800
Filter IEC60335-2-69	cm ² -Class	100.000 - ANT M	200.000 - ANT M	400.000 - ANT M
Capacity	lt	5	30	90
Noise	dB(A)	69	70	68
Dimensions	cm	90x80x110h	115x82x170h	120x110x250h
Cleaning System			Automatic PN	Automatic PN
Weight	kg	145	235	350

Optionals





VACUUM CLEANERS FOR FLOOR PREPARATION

FLOOR PREPARATION

VACUUM CLEANERS



Companies working with floor preparation machines (floor grinders, shotblasters, scarifiers, edgers) and hand-tools that generate a large amount of fine and harmful dust, need to remove it constantly and thoroughly, to protect worker's health, comply with regulations and ensure the quality of their work. Fine dust generated by cement, concrete, marble, wood, metal, aluminum, plaster and granite can be harmful if breathed: together with personal protection equipment, contractors must use vacuums to extract dust at source to avoid its dispersion in the environment.



SAFE COLLECTION OF FINE AND HAZARDOUS DUST



HIGH FILTRATION EFFICIENCY



COMPACT AND PORTABLE



Vacuum cleaners with **LONGOPAC®** safe bagging system

Compact and powerful vacuum cleaners for fine dust extraction. Equipped with a safe dust bagging system, it enables you to safely vacuum fine, toxic or harmful dust. The telescopic frame system enables you to reduce the height of the vacuum to facilitate transport.



Single-phase By-pass motors



Manual filter **cleaning** systems



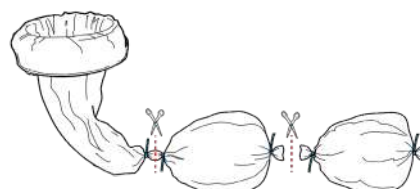
Safe dust collection with **Longopac bag**



Telescopic system to facilitate **transport on vehicles**

Longopac bagging system.

Longopac is a continuous bag system (20 meters in length) that allows you to adjust the weight and length of the bag as needed, totally preventing contact between the dust and the operator.



Features

Dati tecnici		202 LP	DM3 LP
Voltage - Power	V - kW	230 1~ 2,3	230 1~ 3,45
Max waterlift	mmH ₂ O	2500	2500
Max air flow	m ³ /h	360	540
Capacity	lt	20 mt Longopac	20 mt Longopac
Filter	cm ² - mm	30.000 M PTFE	30.000 ANT M
Cleaning System		Dustop	Manual
Dimensions	cm	50x48x125h	80x66x155h
Transport Dimension	cm	50x48x105h	80x66x135h
Weight	kg	50	70

Optionals





Vacuum cleaners for floor preparation

Powerful vacuum cleaners ideal for use with machines for the extraction of fine dust in floor preparation applications. Equipped with a safe dust bagging system (Longopac), it enables safe recovery and fast disposal of fine and hazardous dust, and increases the autonomy of work.

FLOOR PREPARATION

VACUUM CLEANERS



Wide motor range



High filtration efficiency
PTFE cartridges



Automatic reverse pulse filter cleaning system



Safe dust collection with Longopac bag



Automatic filter cleaning PN

An air tank loaded by a dry maintenance free compressor blows a 6 bar air jet inside the filter cartridges, detaching the deposited dust. The timing of filter cleaning is adjustable



Optionals



Features



		XTRACTOR 3BP	XTRACTOR 2BL	XTRACTOR 75 AF	XTRACTOR 55
Voltage - Power	V - kW	230 1~ 3,45	230 1~ 2,2	400 1~ 7,45	400 1~ 7,45
Max waterlift	mmH ₂ O	2500	2500	4000/2700	550
Max air flow	m ³ /h	540	430	700	1600
Capacity	mt Longopac	20	20	100/ 20	20
Filter	cm ² - mm	57.000 M PTFE	57.000 ANT M	80.000 M PTFE	Polyester M PTFE
Cleaning System		Automatic reverse pulse filter cleaning system			
Dimensions	cm	65x91x190h	65x91x198h	78x127x178h	86x190x161h
Transport Dimensions	cm	65x91x164h	65x91x172h	=	=
Weight	kg	140	145	215	450



TÜV certified vacuum cleaners

TUV vacuum cleaners have obtained the certification for dust extraction in total safety from the independent certification body TÜV SUD. The certification covers the entire machine with specific filters and accessories included and guarantees the quality of filtration even in presence of very fine dust.



Wide range
of motors



Class M or M + H
filtration included



Suction **accessories**
kit included



TÜV SUD
Certification



Do you need to vacuum asbestos?
Try the DG 50 EX ASBESTOS !

Industrial vacuum cleaner certified for asbestos removal. Dust filtration in Class M and H with HEPA filters, discharge of clean air outside the environment and bags specifically designed for the containment and remediation of asbestos.



Features



		301 DUST TUV	202 TUV	DM3 TUV	DG EXP TUV
Voltage - Power	V - kW	230 1~ 1,15	230 1~ 2,3	230 1~ 3,45	230 1~ 4
Max waterlift	mmH ₂ O	2500	2500	2500	3200/2700
Max air flow	m ³ /h	180	360	540	420
Capacity	lt	13	20	100	100
Filter M	cm ² - mm	6.000 - M	30.000 - M	30.000 - M	30.000 - M
Filter M	cm ²	M - 6.000	M - 30.000	M - 30.000	M - 30.000
Filter H		H - 20.500	H - 20.500	H - 26.500	H - 26.500
Cleaning System		Dustop	Dustop	Manual	Manual
Accessory kit included		Connector 3 m hose cuff - 1 collection bag - 1 bag holder ring			
Weight	kg	25	35	85	137



INDUSTRIAL VACUUM SYSTEMS WITH HIGH PERFORMANCE LOBE PUMPS

HIGH VACUUM

VACUUM CLEANERS



Cement factories, foundries, steel mills, incinerators and power plants require powerful and effective cleaning systems to maintain maximum production efficiency and high safety standards.

Delfin industrial vacuum systems of the DHV series are the ideal solution for maintenance and cleaning work in heavy industry. DHV vacuum cleaners make it easy and safe to remove and handle large quantities of dusty and solid material



DESIGNED FOR INTENSIVE USE



MAXIMUM SUCTION PERFORMANCE AND RELIABILITY



GREAT COLLECTION CAPACITY AND SIMPLICITY OF HANDLING OF THE COLLECTED MATERIAL

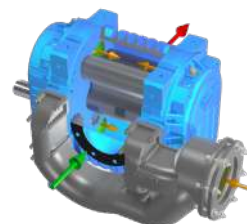




MAXIMUM POWER AND RELIABILITY

Lobe pumps for high vacuum

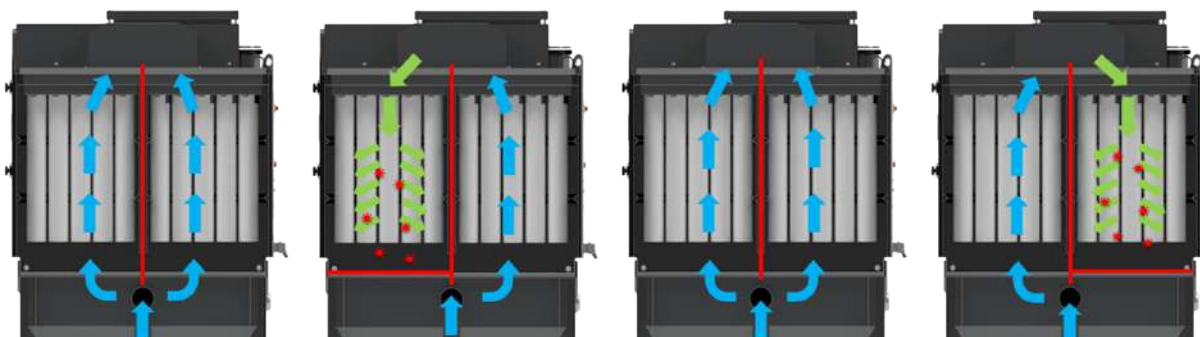
The self-cooled pump guarantees the achievement of very high vacuum values and Max air flow



CONTINUOUS AND EFFICIENT FILTERING SYSTEMS

High filtration efficiency

The suction unit is always protected by polyester filters and Class M safety cartridges, for dust as small as 1 micron. Maximum filtration efficiency thanks to an automatic alternating chamber filter cleaning system.



SIMPLE HANDLING OF THE MATERIAL

Easy and safe

DHV vacuum cleaners are equipped with detachable containers that can be easily moved by means of a forklift, guaranteeing maximum simplicity and safety of use. The material is unloaded thanks to the activation of safety bars



Features

		DHV 22CP	DHV 30AF	DHV 30HV	DHV 45AF	DHV 45HV	CVC WITH FILTERING SEP
Voltage - Power	V - kW	400 3~ 22	400 3~ 30	400 3~ 30	400 3~ 45	400 3~ 45	400 3~ 30/45
Max waterlift	mmH ₂ O	5.000	5.000	8.500	5.000	8.500	5.000 - 8.500
Max air flow	m ³ /h	1.300	1.800	1.300	2.500	1.900	1.300-2.500
Main Filter	cm ²	70.000	160.000	160.000	160.000	160.000	70.000-160.000
Safety filter	cm ²	40.000	70.000	70.000	70.000	70.000	40.000-70.000
Dimensions	cm	160x152x253h	168x160x291h	168x160x291h	168x160x356h	168x160x356h	114x124x147h 144x144x312h
Weight	kg	1260	2080	2100	2310	2260	



CENTRALIZED VACUUM SYSTEMS

Delfin centralized vacuum systems allow to vacuum materials even at a great distance, or in several places simultaneously, based on the power and features of the suction unit and specific working conditions.

CENTRALIZED SYSTEMS



COMPLETE SYSTEM DESIGN



MAXIMUM EFFICIENCY OF THE PRODUCTION PLANTS



CLEANING OF THE ENTIRE WORKING ENVIRONMENT, REDUCING MOBILE EQUIPMENT AND NOISE LEVEL





Tailor-made solutions

A centralized suction system allows you to remove and transport material from one area to another through a series of fixed pipes and to accumulate and discharge them at a specific point. It improves efficiency and allows you to suck in several points simultaneously



- 1 Suction unit
- 2 Preseparator
- 3 Filter unit
- 4 Collection point
- 5 Connection to machinery

Suction unit



Filtration unit



Components



Preseparators

Additional systems to protect the suction unit and increase working capacity

Vacuuming or moving large quantities of dusty or solid material is not an easy operation. The solution is an industrial vacuum cleaner combined with a wheeled separator. Through this combination it is possible to significantly increase the autonomy of the vacuum and at the same time to obtain greater efficiency of the material collection process.

PRE-SEPARATORS

Pre-separators to increase capacity up to 1000 liters



Pre-separators with Longopac safe collection bag



Water pre-separators for hot material



Pre-separator lids



Wheeled pre-separators



Pre-separators for explosive dusts



Accessories and Optionals



Accessories range

Delfin supplies a wide range of original accessories that allow you to get the most out of your industrial vacuum cleaners. The accessories are available in different materials, to be used in any type of application and industry.

General cleaning



Oil and chips



Oven cleaning



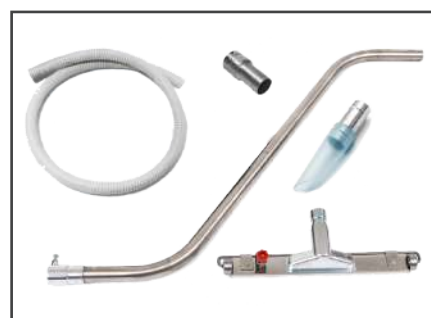
High spots cleaning



Stainless steel accessories



Autoclavable



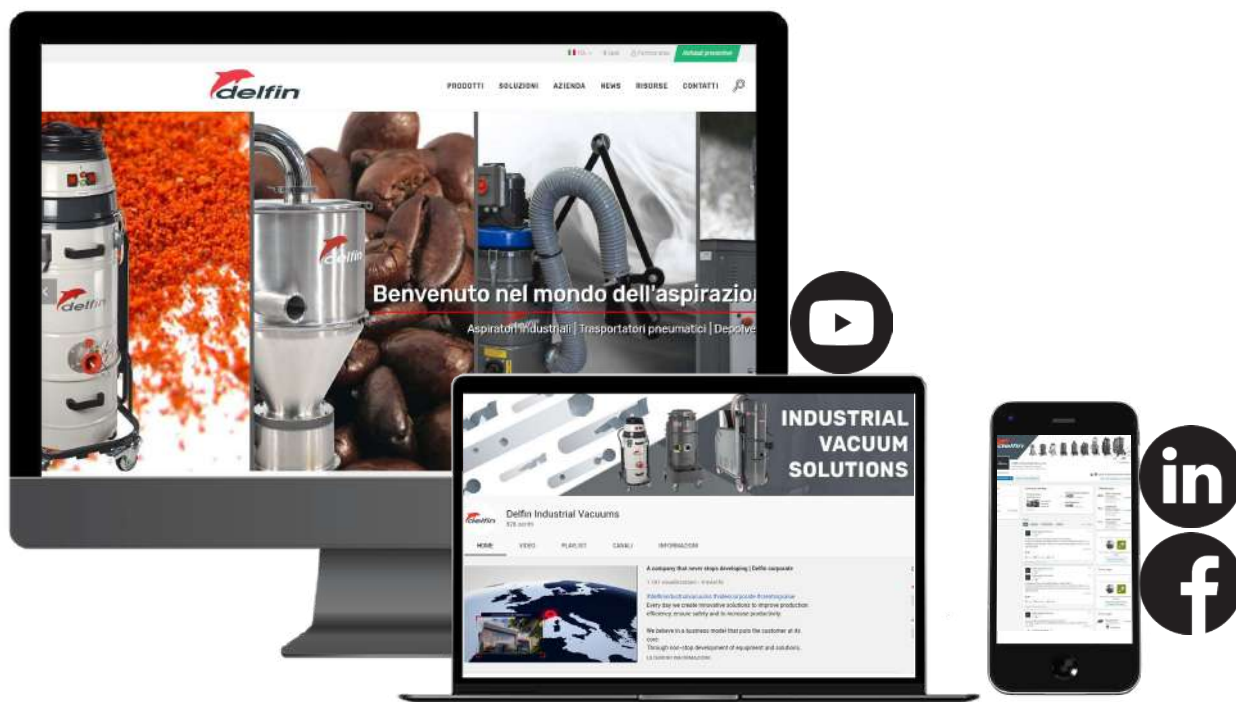
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CREATING VALUE

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