



PRODUCT CATALOGUE

**INDUSTRIAL
VACUUM
SOLUTIONS**

ABOUT US	4
ATEX CERTIFIED VACUUMS certified by a third party for areas classified as ATEX 1/21/2/22 in accordance with EN 17348	10
ACD-CERTIFIED VACUUMS for combustible dust collection in non-ATEX classified areas	19
INDUSTRIAL VACUUM CLEANERS FOR PHARMA, FOOD AND OEMS vacuum solutions, dust filtration, and local extraction on board of the machine	22
SINGLE-PHASE INDUSTRIAL VACUUMS for dust, solids, and liquids	32
THREE-PHASE INDUSTRIAL VACUUM CLEANERS for heavy duty and continuous use	36
COMPRESSED AIR INDUSTRIAL VACUUMS	40
OIL AND CHIP VACUUM CLEANERS Available in capacities from 100 to 600 liters and power ratings spanning 3.5 kW to 11 kW	42
DUST COLLECTORS integrated suction of dust, shavings and fine airborne particles	49
VACUUM CLEANERS FOR FLOOR PREPARATION dust extraction from construction tools & machinery for floor preparation & construction industry	52
VACUUM CLEANERS WITH LOBE PUMPS FOR INDUSTRIAL APPLICATIONS high power, from 22 to 45 kW	55
CENTRALIZED VACUUM SYSTEMS centralized extraction systems for for all types of applications	58
SEPARATORS	60
ACCESSORIES	61
PNEUMATIC CONVEYING SYSTEMS	64

Optional Features Reference Guide



OTHER
VOLTAGES
AVAILABLE



EXTRACTION ARM



ENDLESS BAG
COLLECTING SYSTEM



STAINLESS STEEL



AUTOMATIC PNEUMATIC
CLEANING SYSTEM -
CARTRIDGE FILTERS



AUTOMATIC CLEANING
SYSTEM
FOR STAR FILTER



H/HEPA
FILTER H14



ULPA
FILTER



PTFE
FILTER



WATER MIST FILTER
FOR NEBULIZED LIQUIDS



LOCAL / REMOTE
START-UP



SYNCHRONISED START-UP
VIA POWER TOOL



EXCELLENCE MADE IN ITALY

ABOUT US

Our entrepreneurial story began in Turin in 1991, thanks to the initiative of Antonino Siclari, with the goal of developing advanced industrial vacuum systems. From the very beginning, the company focused on designing and manufacturing industrial vacuums, dust collectors, and pneumatic conveying solutions, with special attention to improving productivity efficiency and workplace safety.

The international expansion began in 2009 with the opening of the German subsidiary Delfin Industriesauger Deutschland, now operating in Merchweiler, serving the German and Austrian markets.

In 2013, Delfin Asia Pacific was established in Ho Chi Minh City, with the mission of providing technical and logistical support to Southeast Asian and Oceanian markets.

In 2017, Delfin Industrial Corporation was founded in Plymouth, Minnesota, dedicated to the North American market, with products and services compliant with local regulations.

Today, the company operates globally through a network of subsidiaries, partners, and distributors, offering a full range of solutions compliant with ISO 9001, CE, and ATEX standards. All technologies are developed with a focus on reliable performance, operational safety, and sustainability across a wide range of industrial environments.

WHY CHOOSE DELFIN?



MADE IN ITALY

We produce all our products in Italy.
Proudly representing Italian excellence.



CUSTOMIZATION

We offer customized mobile and fixed solutions for both housekeeping and heavy duty based on customers' needs and their production processes.



BUFFERSTOCK

Best-selling models always in stock to ensure fast delivery and continuous operations across all industries.



AFTER SALES

After-sales support, original spare parts, and scheduled maintenance to guarantee maximum long-term performance.

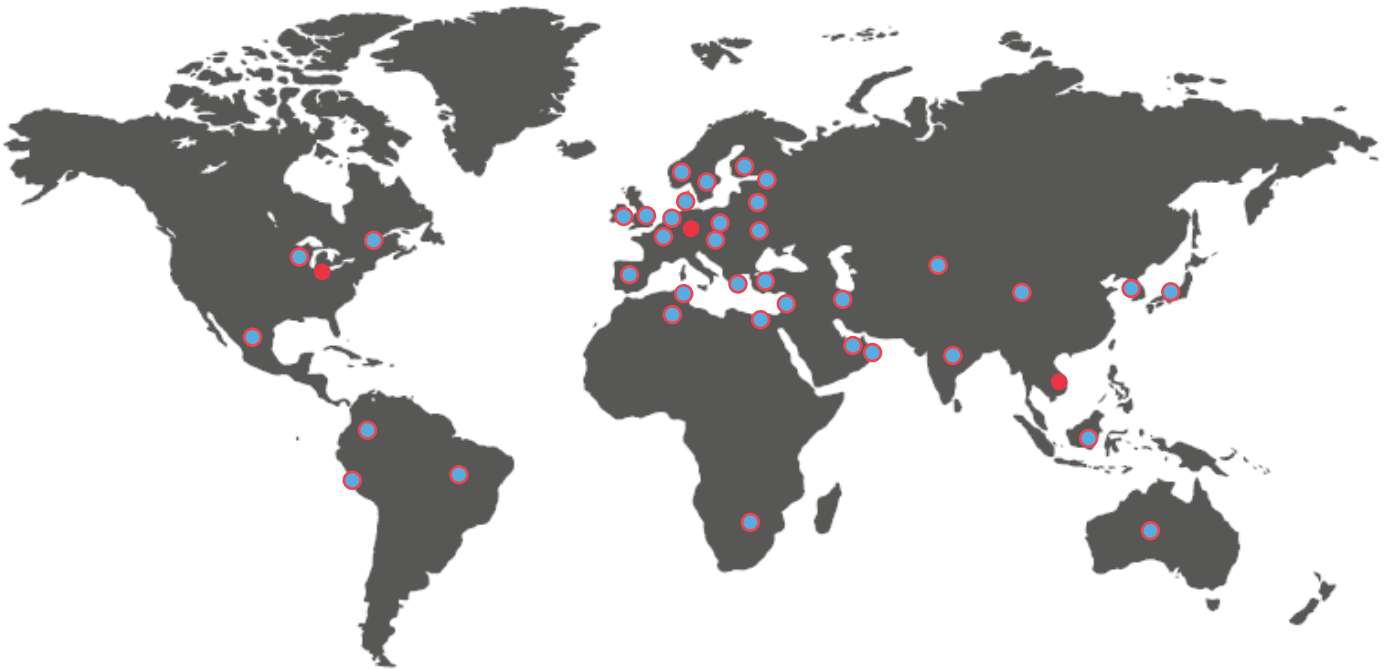


CONSULTING

Process analysis, on-site inspections, and tailor-made solutions: we support every customer with expert and dedicated guidance.

DELFIN WORLDWIDE

The international network of branches, partners and distributors ensures the brand's presence and technical & commercial support worldwide.



● 3 DIRECT SUBSIDIARIES (GERMANY, USA, VIETNAM)

● OVER 100 PARTNERS SPECIALIZED IN INDUSTRIAL VACUUM SOLUTIONS WORLDWIDE



**DELFIN DEUTSCHLAND
INDUSTRIESAUGER GMBH**

📍 Merchweiler
✉ info@delfinindustriesauger.de
🌐 delfin.de



**DELFIN INDUSTRIAL
CORPORATION**

📍 Plymouth
✉ info@delfinindustrial.com
🌐 delfinindustrial.com



**DELFIN
ASIA PACIFIC**

📍 Ho Chí Minh
✉ info@delfinvacuums.vn
🌐 delfinvacuums.vn

PRODUCT RANGE



MOBILE VACUUMS ON WHEELS
FOR INDUSTRIAL CLEANING
AND DUST COLLECTION



CENTRAL VACUUM SYSTEMS



VACUUMS FOR
FOOD & PHARMACEUTICAL INDUSTRIES



HIGH-VACUUM UNITS AND SOLUTIONS
FOR HEAVY-DUTY INDUSTRY – DHV AND
COMPACT LINES



PNEUMATIC CONVEYING SYSTEMS

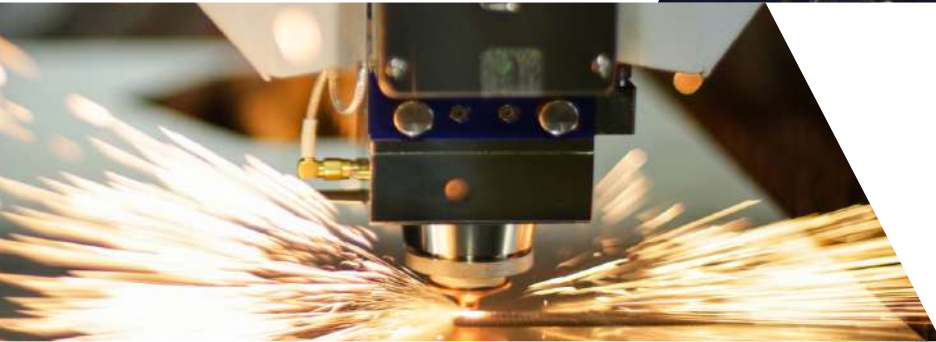
OUR PRODUCTION STRENGTH

Our internal production processes are structured to ensure high levels of quality and full compliance with relevant safety standards.

WELDING



LASER CUTTING



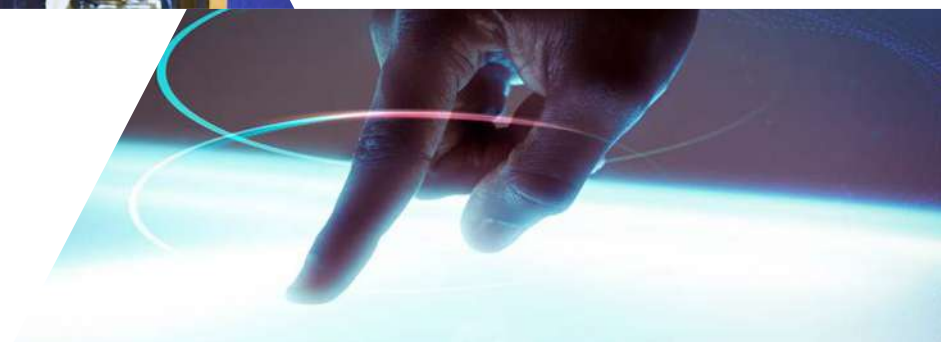
ASSEMBLY



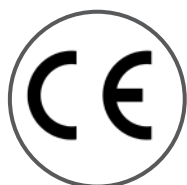
PAINTING



RESEARCH & DEVELOPMENT



CERTIFIED QUALITY & SAFETY



100%
MADE IN ITALY



ISO 9001:2015



ATEX
CERTIFICATION



ACD
CERTIFICATION



IECEx
CERTIFICATION



STANDARD
FILTRATION



H/HEPA
FILTRATION



NFPA CERTIFICATION



FDA COMPLIANT



GMP
CERTIFICATION

ATEX CERTIFIED VACUUMS

certified by a third party for areas classified as ATEX 1/21/2/22 in accordance with EN 17348



**THE WIDEST RANGE OF ATEX
CERTIFIED VACUUMS ON
THE MARKET**



**EXCLUSIVE INTERNAL
ZONE 20 CERTIFICATION**



**MAXIMUM SAFETY FOR
COMBUSTIBLE DUST EXTRACTION**

Choosing a certified vacuum compliant with the latest standards is essential to protect people, systems, and processes. Delfin industrial vacuums are designed to offer the highest level of safety in ATEX-classified environments, thanks to advanced technical solutions and full compliance with the new **EN 17348** standard.



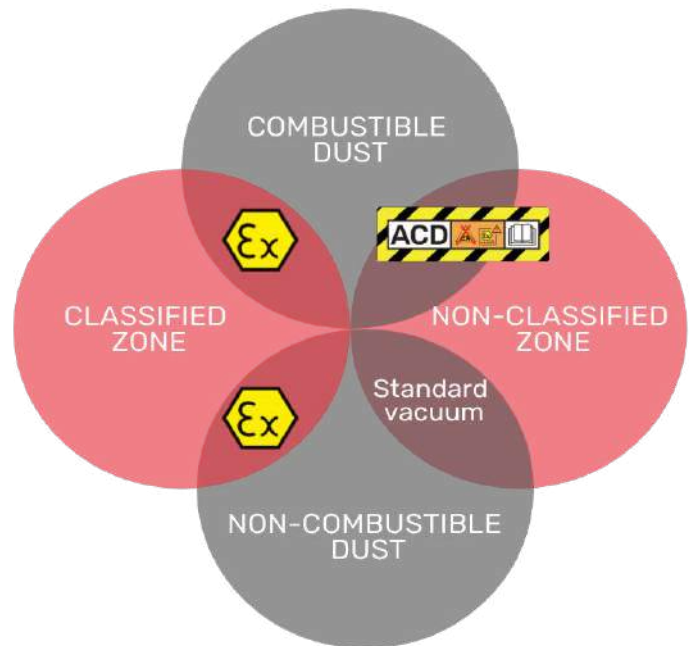
ATEX REGULATIONS

EN 17348:2022

It is the only standard in compliance with the ATEX Directive that specifies the design and testing requirements for extractors and dust collection systems intended for use in Zones 1, 2, 21 and 22, and for the collection of combustible and non-combustible dusts, as well as flammable and non-flammable liquids. It introduces the classification into Dry Type, Wet Type and Liquid Collector.

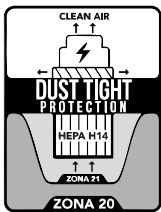
EN IEC 62784:2018

It is the only IECEx standard applicable to vacuum cleaners intended for use in Zone 22, with Equipment Protection Level (EPL) Dc, linked to standard IEC 60335-2-69.



EX DUST TIGHT: DELFIN'S INNOVATION

INNOVATIVE PROTECTION METHOD DESIGNED BY DELFIN



Thanks to our innovative **Dust Tight protection system**, the vacuum head is fully enclosed in an Ex tb certified housing, equipped with four high-efficiency filters and designed to resist aging, thermal, and mechanical stress. This exclusive configuration prevents any dust infiltration into the cooling or suction circuits, ensuring particle-free air delivery in any environment.

FEATURES OF THE EX DUST TIGHT SYSTEM

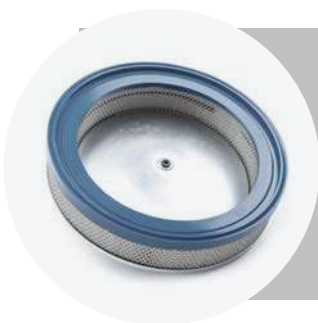
CERTIFIED MOTOR HEAD

Delfin is the first manufacturer to design, test, and obtain ATEX and IECEx certification for its single-phase motor heads, both for ATEX Zones 22 and 21. With Ex tb protection marking, ATEX Category 2D, and IECEx EPL Db, Delfin offers the safest solutions on the market for this category of products.



H/HEPA FILTER H14

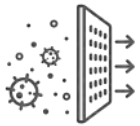
High-efficiency particulate filters are individually tested to ensure 99.995% efficiency, as a secondary filtration stage, with 100% quality control and serial number traceability. Tested according to EN 1822 – MPPS method.



DELFIN: BEYOND STANDARDS

ATEX

INDUSTRIAL VACUUMS



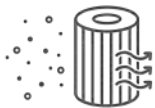
FIRST STAGE FILTRATION EFFICIENCY

MINIMUM REQUIREMENT

95%

DELFIN STANDARD

99,9%



SECOND STAGE FILTRATION EFFICIENCY

MINIMUM REQUIREMENT

99,95%

DELFIN STANDARD

99,995%



THE 3 TYPES OF ATEX VACUUM CLEANERS ACCORDING TO EN 17348

DRY TYPE DUST COLLECTOR
(EN 17348 DT)

DRY TYPE DUST COLLECTOR

Delfin's mobile vacuums safely collect both combustible and non-combustible dry dusts, except when the mixture may cause self-ignition or chemical reactions.



WET TYPE DUST COLLECTOR
(EN 17348 WT)

WET TYPE DUST COLLECTOR

Delfin's Wet Type vacuums are specifically designed to collect self-igniting powders (such as aluminum, titanium, highly conductive metallic dusts, etc.), conveying them into an inert liquid that neutralizes ignition risk inside the collection tank.



LIQUID COLLECTOR
(EN 17348 LC)

LIQUID COLLECTOR

Delfin has developed certified solutions for collecting non-flammable liquids and debris in ATEX zones. A mechanical shut-off system stops suction when the tank is full. Delfin's dual-use systems allow use of specific filter kits and vacuum units for either Dry or Liquid Type, depending on application needs.



SINGLE-PHASE VACUUMS CERTIFIED FOR INTERNAL ZONE 20 AND EXTERNAL ZONES 21 & 22

Compact and easy-to-handle dust vacuums, with 1 or 2 single-phase motors. Ideal for fine dust collection thanks to their large surface filters.

FEATURES



Single-phase by-pass motors made in EU



Large surface antistatic filter



Z21 brushless motor



Certified Ex safety housing



ATEX

INDUSTRIAL VACUUMS

DUST-TIGHT EX TB PROTECTION HEAD

To ensure consistent filtration efficiency, a warning light alerts the user when the filter is clogged or if the airflow drops (below 20 m/sec) due to obstructions in the hose or vacuum body. A fully sealed housing prevents any dust penetration, even after aging, thermal, or mechanical stress testing.



OPTIONALS

Accessory kit included



TECHNICAL DATA		MTL 301 1/2D	MTL 301 1/3D	MTL 801 1/3D	MTL 201 1/2D	MTL 201 1/3D	DM2 EL 1/3D
Marking		II 1/2D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Db	II 1/3D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Dc	II 1/3D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Dc	II 1/2D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Db	II 1/3D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Dc	II 1/3D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Dc
Supply Power	V kW	230 - 50/60 1~ 1,1		230 - 50/60 1~ 1,1	230 - 50/60 1~ 1,1		230 - 50/60 1~ 2,2
Max waterlift	mmH ₂ O	2.250	2.500	2.500	2.250	2.500	2500
Max airflow	m ³ /h	215	180	180	215	180	360
Filter IEC60335-2-69	cm ² - Class	4.000 - ANT M		5.000 - ANT M	30.000 - ANT M		30.000 - ANT M
Capacity	l	40		80	20		60
Dimensions	cm	44x42x84h		55x63x126h	52x63x112h		66x70x148h
Weight	kg	26		42	32		79

THREE-PHASE VACUUMS CERTIFIED FOR INTERNAL ZONE 20 AND EXTERNAL ZONES 21 & 22

Industrial vacuums designed for use in explosion-risk areas with combustible, non-explosive dust.
Internal certification for Zone 20; external certification for Zones 21 and 22.

FEATURES



Ex-certified side channel blower (dust-tight)



Large surface antistatic filter



Maximum safety
thanks to the machine's
complete grounding



Absolute filter H14 included



ATEX START-UP PANEL

Thanks to Delfin's engineering expertise in power control and automation, we have developed an innovative ATEX start-up panel, suitable for three-phase vacuum systems operating in Zones 21 and 22, with high industrial-grade durability.

OPTIONALS

INOX



TECHNICAL DATA		MTL 4534 Z22	MTL 4535 Z22	DG50 EXP Z22	DG70 EXP EX1/2D	DG70 EXP Z22	DG VL 75 EX1/2D	DG VL 75 EX1/3D	DG VL 125 EX1/2D	DG VL 125 EX1/3D
Marking		II 3D Ex h tc IIIC T80°C (Int)/ T165°C (Ext) Dc		II 3D Ex h tc IIIC T80°C (Int)/ T165°C (Ext) Dc	II 1/2D Ex h IIIC T160°C Da/Db	II 3D Ex h tc IIIC T80°C (Int)/ T165°C (Ext) Dc	II 1/2D Ex h IIIC T160°C Da/Db	II 1/3D Ex h IIIC T160°C Da/Dc	II 1/2D Ex h IIIC T160°C Da/Db	II 1/3D Ex h IIIC T160°C Da/Dc
Supply Power	V kW	400 - 50 3- 4		400 - 50 3- 4	400 - 50 3- 5,5		400 - 50 3- 7,5		400 - 50 3- 18,5	
Max waterlift	mmH ₂ O	3.200/2.700	3.200/2.600	3.200/2.600	3.600/3.000	3.600/3.000	2.700		3.100	
Max airflow	m ³ /h	318	420	420	530	530	700		1.100	
Primary filter: surface and class (IEC60335-2-69)	cm ² - Class	20.000 - ANT M		30.000 - ANT M	30.000 - ANT M			70.000 - ANT M		
Absolute filter: surface and class (EN 1822-5)	cm ² - Class	27.100 - H14		26.000 - H14	52.000 - H14			52.000 - H14		103.500 - H14
Dimensions	cm	98x55x125h		66x118x145h	66x120x145h	60x103x170h		180x77x200h		

CERTIFIED COMPRESSED AIR VACUUMS FOR ZONE 20 (INTERNAL) & ZONE 22 (EXTERNAL)

Third-party ATEX-certified vacuums for internal Zone 20 and external Zone 22. Designed for explosive-risk areas where electrical power is not allowed or recommended, and suitable for liquid collection.

FEATURES



**Polyester filters (Dry)
and Polypropylene filters
(Wet)**

in 802 WD AIREX 1/3D



Antistatic star filter
in DM AIREX 1/3D and
452 AIREX 1/3D



Antistatic cartridge filter
in MTL 301 AIREX 1/3D



H14 HEPA filter
included as standard on
all models



ATEX

INDUSTRIAL VACUUMS

INDIVIDUALLY TESTED H/HEPA FILTERS: A CRUCIAL SAFETY COMPONENT

High-efficiency particulate filters are tested one by one to ensure 99.995% efficiency as a second filtration stage, with full quality control and serial number traceability.



OPTIONALS



TECHNICAL DATA		MTL 301 AIREX 1/3D	802 WD AIREX 1/3D	452 AIREX 1/3D	DM AIREX 1/3D
Marking		II 1/3D Ex h IIIC T80°C Da/Dc			
Air supply	nl/min	729	729	729	1.530
Max waterlift	mmH ₂ O	3.700	3.700	3.700	5.000
Max airflow	m ³ /h	150	150/300	150/300	465/590
Primary filter: surface and class(IEC60335-2-69)	cm ² - Class	6.000 - ANT M	5.000 - ANT M	20.000 - ANT M	30.000 - ANT M
Absolute filter: surface and class(EN 1822-5)	cm ² - Class	11.000 - H14	11.000 - H14	11.000 - H14	26.000 - H14
Dimensions	cm	46x48x90h	62x53x108	58x63x119h	62x62x160h
Capacity	l	13	80	45	100

FEATURES OF AIREX VACUUMS FOR GAS ZONES 1 AND 2, AND DUST ZONES 20 & 21

Third-party ATEX-certified industrial vacuums for internal Zone 20 and external Zone 21. Designed for explosive-risk areas where electrical power is not permitted or recommended.

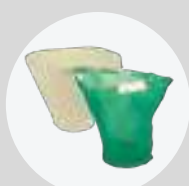
FEATURES



High-performance multi-nozzle Venturi units with low air consumption



Large surface antistatic filter



Polyester (dry) and polypropylene (wet) filters in the 802 WD AIREX 1/2D-2/2G



Absolute filter H14 included



VENTURI MOTOR-HEADS

The Venturi head uses compressed air to generate powerful, safe suction without electric motor-heads or moving parts.

Reliable and maintenance-free, it's ideal for explosive atmospheres and heavy-duty applications, offering consistent performance and maximum operational safety.



TECHNICAL DATA

452 AIREX 1/2D

802 WD AIREX 1/2D-2/2G

DM AIREX 1/2D - 2/2G

Marking

II 1/2D Ex h IIIC T85° Da/Db - II 2/2G Ex h IIB T6 Gb/Gb

Air supply - Pressure	nl/min - bar	729 - 6	729 - 6	1.530 - 6
Max waterlift	mmH ₂ O	3.700	3.700	5.000
Max airflow	m ³ /h	150/300	150/300	465/590
Primary filter: surface and class(IEC60335-2-69)	cm ² - Class	20.000 - ANT M PTFE	5.000 - ANT M PTFE	30.000 - ANT M PTFE
Absolute filter: surface and class(EN 1822-5)	cm ² - Class	11.000 - H14	11.000 - H14	26.000 - H14
Dimensions	cm	70x55x127h	62x53x108	62x62x160h
Capacity	l	45	80	100

AIREX INERT INDUSTRIAL VACUUMS

- ATEX CERTIFIED

Vacuum cleaners powered by compressed air, certified for use in explosive atmospheres where electricity is not present or is not provided.

FEATURES



High-performance multi-nozzle Venturi units with low air consumption



Large surface antistatic filter



INERT collection tank



Absolute filter H14 included



ATEX

INDUSTRIAL VACUUMS

INERT TANK

The INERT collection system designed by Delfin neutralizes the explosion risk during collection of self-igniting and highly combustible dusts, by immersing them in an inert liquid inside a specially designed and tested collection tank.



TECHNICAL DATA		452 AIREX 1/2D-2/2G INERT 7V	452 AIREX 1/2D-2/2G INERT 14V	DM AIREX 1/2D-2/2G INERT 19V	DM AIREX 1/2D-2/2G INERT 25V
Marking		II 1/2D Ex h IIC T85° Da/Db II 2/2G Ex h IIB T6 Gb/Gb		II 1/2D Ex h IIC T85° Da/Db II 2/2G Ex h IIC T6 Gb/Gb	
Air supply - Pressure	nl/min - bar	729 - 6	1.458 - 6	1.530 - 6	2.500 - 6
Max waterlift	mmH ₂ O	3.700	3.700	5.000	5.000
Max airflow	m ³ /h	150	300	465	590
Filter IEC60335-2-69	cm ² - Class	20.000 - ANT M PTFE	20.000 - ANT M PTFE	30.000 - ANT M PTFE	30.000 - ANT M PTFE
Capacity	l	15	15	44	44
Dimensions	cm	70x55x127h	70x55x127h	62x62x160h	62x62x160h
Weight	kg	50	50	80	80

INERT RANGE FEATURES – SOLUTIONS FOR CONDUCTIVE AND COMBUSTIBLE DUST INERTIZATION

System for the inertization of collected combustible dusts. Once vacuumed, combustible dust is immediately submerged in the liquid inside the collection tank to ensure neutralization.

FEATURES



Large surface antistatic filter



INERT Tank



Absolute filter H14 included



NEUTRALIZATION SYSTEMS FOR REACTIVE DUSTS

The inert liquid tank and performance testing guarantee safe and easy maintenance operations.



TECHNICAL DATA		ZEFIRO 75 INERT Z22	MTL 451 1/2D INERT	DM2 1/3D INERT	DM2 1/2D INERT
Marking		II 3D Ex h tc IIIC T80°C (int) / T165°C (ext) Dc	II 1/2D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Db	II 1/3D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Dc	II 1/2D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Db
Supply Power	V kW	400 - 50 3- 3	115/230 - 50/60 1- 1,1	230 - 50/60 1- 2,3	115/230 - 50/60 1- 2,3
Max waterlift	mmH ₂ O	3.000/2.300	2.250	2.500	2.250
Max airflow	m ³ /h	318	215	360	430
Primary filter: surface and class(IEC60335-2-69)	cm ² - Class	30.000 - ANT M	20.000 - ANT M	30.000 - ANT M	30.000 - ANT M
Absolute filter: surface and class	cm ² - Class	26.000 - H14	11.000 - H14	26.000 - H14	26.000 - H14
Dimensions	cm	79x66x170h	61x66x133h	77x66x168h	77x66x168h
Capacity	l	44	45	44	44

ACD-CERTIFIED VACUUMS

for combustible dust collection in non-ATEX classified areas



**WIDE RANGE OF
ACD-CERTIFIED VACUUMS**



**EXCLUSIVE CERTIFICATION
FOR ZONE 20 INSIDE
THE VACUUM CLEANER**



**MAXIMUM SAFETY
AT THE SUCTION POINT OF
COMBUSTIBLE DUST**

ACD is a safety classification for industrial vacuum cleaners. Introduced by international standard IEC 60335-2-69 in 2021, this category applies to non-ATEX classified areas where it is still necessary to safely collect combustible dust, minimizing explosion and contamination risks.



COMBUSTIBLE DUST IN NON-ATEX AREAS: THE NEW ACD LABEL

The ACD safety label was introduced by the new international product standard IEC 60335-2-69, published in 2021.

This classification aims to increase safety levels in non-ATEX areas, ordinary locations where the collection of combustible dust is still necessary.



In addition to applying the ACD label, Delfin certifies the internal part of its units as Category 1, through a third-party organization, ensuring full compliance with ATEX standards.

II 1/-D Ex h IIIC T80°C (internal) Da/-



These systems are internally designed and certified to contain a Zone 20 atmosphere, providing a higher safety standard than conventional vacuums, even when ATEX compliance is not mandatory.

They are built and certified not to generate ignition sources, and to safely collect and contain combustible dust.

When to Choose ACD, ATEX or IECEx Vacuum Cleaners?

	ACD	ATEX	IECEx
Operating environment	Non-ATEX classified areas with combustible dusts	Explosion hazard areas (20, 21 and 22 for dusts)	Areas at risk of explosion in non-EU markets
Applicable legislation	IEC 60335-2-69	ATEX Directive 2014/34/EU	IECEx System (standard IEC 60079)
Protection level	Dust containment and advanced filtration	Certified protection for explosive atmospheres	International certification for gas/dust explosions
Typical applications	Industries with combustible dust management in non-ATEX environments	Chemical, pharmaceutical, food, and metallurgical plants (ATEX-identified areas)	Sectors with global safety standards

ACD-CERTIFIED VACUUMS FOR COMBUSTIBLE DUSTS AND SOLIDS

Third-party certified industrial vacuums for the collection of combustible dust in non-ATEX classified areas. Equipped with two filtration stages: an antistatic M-class filter and a standard H/HEPA absolute filter, to ensure maximum filtration efficiency and protect the motor.

FEATURES



Single-phase by-pass motors made in EU



Antistatic M-class filter



Bonding and grounding for maximum safety



Absolute filter H14 included



ACD

INDUSTRIAL VACUUMS



DOUBLE FILTRATION STAGE

Double filtration stage (Class M + H14/H/HEPA) for double protection against dust passage into the motor, similar to an ATEX vacuum cleaner.



TECHNICAL DATA		MTL 302 ACD	MTL 202 ACD	MTL 452 ACD	DM3 EL ACD
Marking		II 1/-D Ex h IIIC T80°C (Internal) Da/-			
Supply Power	V kW	230 - 50/60 1~ 2.2	230 - 50/60 1~ 2.2	230 - 50 1~ 2.2	230 - 50/60 1~ 3,3
Max waterlift	mmH ₂ O	2.500	2.500	2.500	2.500
Max airflow	m ³ /h	360	360	360	540
Primary filter: surface and class(IEC60335-2-69)	cm ² - Class	4.000 - ANT M	30.000 - ANT M	20.000 - ANT M	30.000 - ANT M
Absolute filter: surface and class(EN 1822-5)	cm ² - Class	26.000 - H14	20.500 - H14	20.500 - H14	26.000 - H14
Dimensions	cm	44x42x78h	52x63x104h	55x69x140h	66x70x135h
Capacity	l	40	20	45	60

INDUSTRIAL VACUUM CLEANERS FOR PHARMA, FOOD AND OEMS

vacuum solutions, dust filtration, and local extraction
on board of the machine



HIGHEST QUALITY
OF FINISHED PRODUCTS



AVOID
CROSS-CONTAMINATION



FULL COMPLIANCE
WITH GMP REGULATIONS



The pharmaceutical and food industries must always ensure the highest quality of the finished product. For this reason, production departments must maintain the highest levels of health, efficiency, and safety.

Delfin manufactures dust & granule extraction and transport systems designed to guarantee maximum hygiene and quality in production plants, preventing any form of cross-contamination from external contaminants.



DUST CONTAINMENT IN THE PHARMACEUTICAL INDUSTRY

Designed to safely extract and dispose of active ingredients API/ HPAPI, up to OEB 4 and OEB 5.

FEATURES



H14 absolute filter
at the suction point with bag-in bag-out system and stainless steel housing



BiBo filter replacement system



Capacitive sensor
for full container indication



Crimpable containment bag

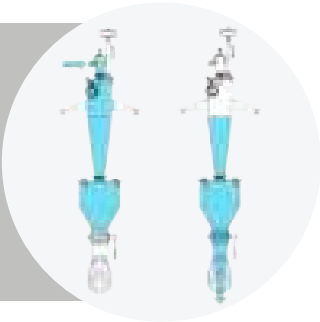


PHARMA & FOOD

INDUSTRIAL VACUUMS

WIP CLEANING SYSTEM

The cyclonic pre-separator and collection hopper can be easily cleaned using a convenient Wash in Place system which, thanks to a valve system, uses water to neutralize any harmful residual dust remaining inside the unit through inertization



OPTIONALS



TECHNICAL DATA		PHARMA 40.40 DC	40 DC SEPARATOR
Supply Power	V kW	400 - 50 3~ 4	-
Max waterlift	mmH ₂ O	3.200	-
Max airflow	m ³ /h	420	-
Solids capacity	l	30	30
Primary filter	cm ² - Class	20.500 H14 included	20.500 H14 included
Dimensions	cm	95x56x232h	95x56x232h
Weight	kg	160	80

INTEGRATED CANISTER SYSTEMS WITH CYCLONE AND INTEGRATED POCKET FILTER SYSTEMS WITH CYCLONE PRE-SEPARATOR

FEATURES



Wash-in-place system to deactivate dust on internal surfaces – available as an option



AISI316 stainless steel container, AISI304 stainless steel chassis



Capacitive sensor for full container indication



Crimpable containment bag



BAG IN BAG OUT

The Bibo (BagIn-BagOut) system, available as an option in the PHARMA40, ensures safe replacement of the absolute filter, preventing any contact with the dust collected.



TECHNICAL DATA		SEP.DC-001	SEP.DC-002	SEP.DC-009	SEP.DC-010
Airflow	m ³ /h	1.000	1.000	1.000	750
Capacity	l	30	40	30	30
Dimensions	cm	72x70x240h	72x70x172h	70x128x262h	70x127x265h
Weight	kg	65	55	115	115

STATIONARY VACUUM FOR DUST EXTRACTION ON PRODUCTION MACHINERY

FEATURES



Absolute filtration
ULPA and H/HEPA efficiency
according to EN 1822



Compact units
easy to integrate
into confined work spaces



Accessories
suitable for **contact**
with food



Multiple configurations
available



PHARMA & FOOD

INDUSTRIAL VACUUMS

The DBF 05-10 and DBFV models also come in ATEX-certified versions, designed for safe operation in hazardousness Zone 22 environments.



OPTIONALS



TECHNICAL DATA		DBF 05	DBF 10	DBF 20	DBF 30	DBFV 05	DBFV 10	DBFV 20	DBFV 30
Supply Power	V kW	400 - 50 3~ 0,4	400 - 50 3~ 0,85	400 - 50 3~ 2,2		400 - 50 3~ 0,4	400 - 50 3~ 0,85	400 - 50 3~ 2,2	
Max waterlift	mmH ₂ O	1.500	2.000	3.000	2.600	1.500	2.000	3.000	2.600
Max airflow	m ³ /h	100	150	270	318	100	150	270	318
Capacity	l	15		25		15		25	
Vertical dimensions	cm	42		67		73		103	
Horizontal dimensions	cm	75x34		84x44		50X33		54X55	
Weight	kg	30	35	40	45	30	35	45	60

INDUSTRIAL VACUUMS FOR DUST EXTRACTION FROM PROCESSING MACHINERY

FEATURES



Powerful side channel blower
with pressure relief valve



Antistatic bag filters
with large surface area



Stainless steel container
with satin finish
on the outside
and polished on the inside



**Absolute filtration
ULPA and H/HEPA**
efficiency according
to EN 1822



SAFE COLLECTION SYSTEM: SAFE BAG

Safe bagging system with disposable collection bag

OPTIONALS



TECHNICAL DATA		PHARMA 20.18	PHARMA 40.30	PHARMA 40.40
Supply / Power	V kW	400 - 50 3~ 2,2	400 - 50 3~ 3	400 - 50 3~ 4
Max waterlift / Continuous waterlift	mmH ₂ O	3.000/ 2.200	3.200/ 2.700	3.200/ 2.600
Max airflow	m ³ /h	270	318	420
Filter IEC60335-2-69	cm ² -Class	12.000 - ANT M	20.000 - ANT M	20.000 - ANT M
Container capacity	l	22	42	42
Noise level	dB(A)	70	69	69
Dimensions	cm	70x51x129h	76x52x155h	76x52x155h
Weight	kg	75	120	120

VACUUMS FOR CLEANROOM

Labcontrol extractors are ideal for sterile environments and can be equipped with up to six filtration stages to meet ISO 4 cleanroom standards, ensuring maximum purity of the discharged air.

FEATURES



Polyester bag filter
class M PTFE (LC1000D)



Intake ULPA 15 filter
standard on the LC1000D model



Autoclavable mirror polished
AISI316 stainless steel



Autoclavable accessory kit
available



PHARMA & FOOD

INDUSTRIAL VACUUMS

Delfin industrial vacuum cleaners in the Pharma line comply with ISO 4 cleanroom standards in accordance with EN 14644.



OPTIONALS



TECHNICAL DATA		LC 1000D	LC 1100 WD
Supply Power	V kW	230 - 50 1~ 1	230 - 50 1~ 1,1
Max waterlift	mmH ₂ O	2.900	2.500
Airflow	m ³ /h	175	180
Solids capacity - liquids	l	5 - 0	40 - 25
Primary filter	cm ² - Class	2.000 - M PTFE	3.000 M - PTFE
Upstream and Downstream Filter		U15 as standard	U15 as standard (downstream optional)
Cooling air filter		-	U15 as standard
Dimensions	cm	36x33x51h	43x43x73h
Weight	kg	20	27

INTEGRATED VACUUM SYSTEMS FOR SCRAP AND PACKAGING WASTE REMOVAL

PHARMA & FOOD

INDUSTRIAL VACUUMS

FEATURES



Powerful side channel blower
with pressure relief valve



Integrated silencer for
effective noise reduction



Direct integration
into machinery and
production lines



Automatic waste compression at the
bottom of the container



OPTIONALS: FULL STAINLESS STEEL

The AS10, AS20 and AS30 models feature an optional AISI 304 stainless steel container and lid.

OPTIONALS



TECHNICAL DATA		AS10	AS20	AS30	AS70
Supply Power	V kW	400 - 50 3~ 0,85	400 - 50 3~ 2,2	400 - 50 3~ 2,2	400 - 50 3~ 5,5
Max waterlift	mmH ₂ O	1.900	2.100	2.200	3.600
Continuous max waterlift		1.300	2.200	1.800	3.000
Airflow	m ³ /h	150	270	318	530
Capacity	l	130	130	130	210
Dimensions	cm	59x55x132h	59x55x132h	59x55x132h	63x100x125h
Weight	kg	60	70	75	125

THREE-PHASE PORTABLE DUST COLLECTORS FOR AIRBORNE DUST AND PARTICLES

Mobile dust collectors offering super high airflow fans, integrated manual filter cleaning system, and quick-release container. Ideal for vacuuming airborne dust, using an extraction arm, or for extraction at the source.

FEATURES



Fan with high airflow performance



High-efficiency filters with very large surface area



Convenient manual or automatic filter cleaning systems



Suction arm (optional)



PHARMA & FOOD

INDUSTRIAL VACUUMS

SUCTION ARM SYSTEM

The articulated suction arm captures dust directly at the source, preventing it from spreading into the environment. This safeguards the operator's health, preserves clear visibility, and ensures a safer, regulation-compliant workspace.



OPTIONALS



TECHNICAL DATA		ZFR EV 420 K07	ZFR EV AP 560 K2	ZFR EV AP 560 K4
Supply Power	V kW	400 - 50 3~ 0,75	400 - 50 3~ 2,2	400 - 50 3~ 4
Suction inlet Ø	mm	100	200	200
Max waterlift	mmH ₂ O	180	210	370
Max airflow	m ³ /h	1.000	2.500	3.500
Capacity	l	45	100	100
Filter IEC60335-2-69	cm ² -Class	20.000 - L	50.000 - ANT M	
Dimensions	cm	58x63x180h	78x85x214h	
Weight	kg	60	100	130



GUARANTEED EXCELLENCE, WITH NO COMPROMISE

Food Grade certified components

Our suction and pneumatic conveying systems are built with materials approved for food contact and fully compliant with CE and FDA standards.

GMP finish for maximum hygiene

We design our solutions with sanitary finishes and mirror-polished surfaces, fully compliant with Good Manufacturing Practice (GMP) standards.

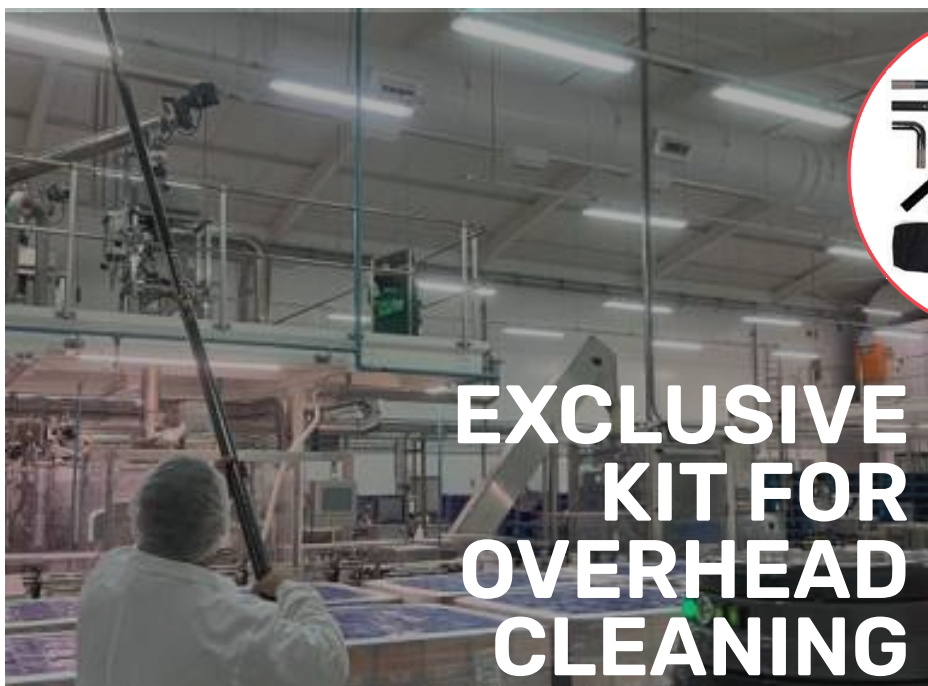
Certifications for hazardous environments

ATEX: for applications in zones 21 and 22.

ACD: for safe extraction of combustible dust in non-classified areas.

IECEX: for hazardous environments in international markets.

ETL Intertek/UL: for the North American market.



EXCLUSIVE KIT FOR OVERHEAD CLEANING



- ✓ ATEX certified for use in classified hazardous areas.
- ✓ Extension up to 12 m in height, with 1.6 m modular sections.
- ✓ Ultra-lightweight and ergonomic, carbon fiber accessory kit for easy handling.
- ✓ Brushes and conical nozzles available for multiple applications.

OUR BESTSELLERS FOR THE FOOD INDUSTRY



PHARMA & FOOD

INDUSTRIAL VACUUMS

TECHNICAL DATA	MTL 301 Z22	MTL 4535 Z22	DM2 Z21	MTL 452 ACD
Use zone	ATEX 22	ATEX 22	ATEX 21	Ordinary locations
Marking	II 3D Ex h tb IIIC T80°C (Int)/ T95°C (Ext) Da/ Dc	II 3D Ex h tc IIIC T80°C (Int)/ T165°C (Ext) Dc	II 1/2D Ex h tb IIIC T80°C (Int)/ T95°C (Ext) Da/Db	II 1/-D Ex h tc IIIC T80°C (Int) Da/-
EX Category	EX 22 1/3D	3D (20 int/22 ext)	EX 21 1/2D	ACD EX 1/-D
Supply	230-50/60 1~	400-50 3~	115/230-50/60 1~	230-50 1~
Max waterlift	2.500	3.200/2.600	2.250	2.500
Max airflow	180	420	430	360
Primary filter	Polyester - ANT M			
Absolute filter	H14 with 99.995% efficiency on MPPS method			
CUSTOM SOLUTIONS AVAILABLE ON REQUEST				

For more information on these products, refer to the dedicated sections for ATEX (page 10) and ACD (page 19) in the catalog.

SINGLE-PHASE INDUSTRIAL VACUUMS

for dust, solids, and liquids



**HIGH VACUUM
PERFORMANCE**



**COMPACT AND
EASY TO TRANSPORT**



**USER-FRIENDLY
DESIGN**

Delfin's single-phase vacuums are ideal for occasional cleaning operations inside production departments and work areas.

This range is characterized by exceptional sturdiness and build quality, which – combined with remarkable compactness, maneuverability, and high filtration capacity – make our machines ideal for frequent movement within the workspace.



SINGLE-PHASE VACUUM CLEANERS FOR DUST AND SOLIDS

Compact and easy-to-handle dust vacuums with 1 or 2 single-phase motors. Ideal for the extraction of fine dusts thanks to large surface filters, a variety of filtration options, and multiple configuration possibilities.

FEATURES



Auxiliary on-board
electrical outlet



Dustop integrated
filter cleaning system



Quick-release container



PTFE-coated
cartridge filter



SINGLE PHASE

INDUSTRIAL VACUUMS

DUSTOP FILTER CLEANING SYSTEM

The Dustop filter cleaning system ensures effective filter cleaning, maintaining high filtration efficiency and reducing the risk of filter clogging. It ensures consistently high performance over time, extends the lifespan of both the filter and the motor, and reduces downtime and maintenance costs.



OPTIONALS



Accessory kit
included



TECHNICAL DATA		MTL 301 DUST	MTL 202 DS	MTL 202 DS LP
Supply Power	V kW	230 - 50 1~ 1,15	230 - 50 1~ 2,3	230 - 50 1~ 2,3
Max waterlift	mmH ₂ O	2.500	2.500	2.500
Max airflow	m ³ /h	180	360	360
Filter IEC60335-2-69	cm ² - Class	6.000 - M PTFE	30.000 - M PTFE	30.000 - M PTFE
Capacity	l	13	20	20 m. Endless Bag
Dimensions	cm	46x48x85h	59x48x110h	59x48x125h
Weight	kg	25	35	55

SINGLE-PHASE VACUUM CLEANERS FOR INDUSTRIAL APPLICATIONS

Single-phase industrial vacuum cleaners for vacuuming mixed solids and dust. With 2 or 3 single-phase motors and large collection capacity, these machines are the ideal solution for general cleaning in any industrial environment.

FEATURES



Filter clogging indicator and vacuum gauge with warning light



Quick-release container



Wide surface star filter



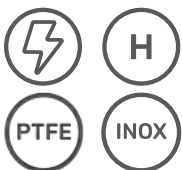
Manual filter cleaning system



SINGLE-PHASE BY-PASS MOTOR

The single-phase by-pass motor provides consistent power and exceptional reliability, even during intensive use. With a long service life of up to 1,200 hours, it ensures lasting performance while minimizing maintenance requirements.

OPTIONALS



Accessory kit included



Accessory kit is included with DM3, 452, and DM3 EL models.



TECHNICAL DATA		MTL 452 DS	DM 3 EL	DM3	DM3 EL LP
Supply Power	V kW	230 - 50 1~ 2,3	230 - 50 1~ 3,45	230 - 50 1~ 3,45	230 - 50 1~ 3,45
Motore		2x By-pass	3x By-pass	3x By-pass	3x By-pass
Max waterlift	mmH ₂ O	2.500	2.500	2.500	2.500
Max airflow	m ³ /h	360	540	540	540
Filter IEC60335-2-69	cm ² - Class	20.000 - L	30.000 - L	30.000 - M ANT	30.000 - M ANT
Capacity	l	45	60	100	20mt Endless Bag
Dimensions	cm	58x63x125h	67x66x134h	77x66x150h	80x66x155h
Weight	kg	48	77	85	70

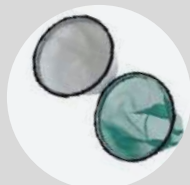
WET & DRY VACUUM CLEANERS

Compact and powerful industrial wet vacuums with 1.2 or 3 single-phase bypass motors. Capacity from 50 to 120 litres, with different filtration levels to meet all liquid recovery and discharge requirements.

FEATURES



2 Single-phase by-pass
motors made in EU



Double filter kit
for dust/liquids



Fast and easy
liquid discharge



Float device
for automatic suction stop



SINGLE PHASE

INDUSTRIAL VACUUMS

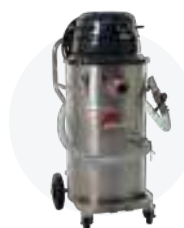
SIMULTANEOUS SUCTION AND DISCHARGE

Thanks to the submersible pump in the 802 WXP model, liquids can be vacuumed, filtered, and discharged simultaneously!



OPTIONALS

Accessory kit included



TECHNICAL DATA		MTL 501 WD	MTL 802 WD	MTL 802 WXP	DM 40 WD
Supply Power	V kW	230 - 50 1~ 1,15	230 - 50 1~ 2,3	230 - 50 1~ 2,3	230 - 50 1~ 3,45
Max waterlift	mmH ₂ O	2.500	2.500	2.500	2.500
Airflow	m ³ /h	180	360	360	540
Filter IEC60335-2-69	cm ² - Class	Dry 8.000 - L	Dry 5.000 - L	5.000 - PPL	Dry 8.000 - L
		Wet 4.000 - PPL 100µm	Wet 5.000 - PPL 300µm		Wet 8.000 - PPL 100µm
Capacity	l	50	80	80	120
Discharge system		Discharge hose	Discharge hose	Submersible pump 135l/min	Exhaust valve
Dimensions	cm	52x40x90h	53x59x106h	53x59x105h	68x63x105h
Weight	kg	28	40	50	50

THREE-PHASE INDUSTRIAL VACUUM CLEANERS

for heavy duty and continuous use



**IDEAL FOR
CONTINUOUS WORK
24/7**



**HIGHLY CUSTOMISABLE
PRODUCTS**



**PRESSURE RELIEF VALVE
AS STANDARD**

Three-phase industrial vacuum cleaners are used for heavy-duty and continuous applications. Delfin offers the widest range on the market with models for vacuuming dust, solids or liquids.

Thanks to the exceptional power and durability of the side channel turbines, these vacuum cleaners are ideal for mobile use, for integration into production lines or for use in centralised vacuum systems.

The range includes models with capacities from 100 to 1000 liters and power ratings from 1.5 to 15 kW.



THREE-PHASE VACUUMS FOR INDUSTRIAL APPLICATIONS

Three-phase vacuum cleaners designed for medium material volumes – perfectly balancing power, size, and filtration to deliver high suction performance, even during continuous operation or when integrated into centralized vacuum systems.

FEATURES



Cyclone for filter protection (optional on ZFR and DG EXP models)



Quick-release container



Large surface star filter



Manual filter shaking cleaning system

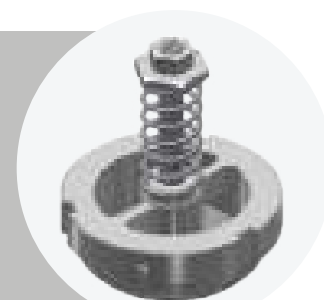


THREE-PHASE

INDUSTRIAL VACUUMS

PRESSURE RELIEF VALVE

Included as standard on all three-phase vacuums. Prevents overpressure and overheating, ensuring the safety and durability of the side channel blower.



OPTIONALS



TECHNICAL DATA		ZFR EL TR*	ZFR 75	DG 50 EXP	DG 70 EXP	DG75 AF	DG 90 INVERTER
Supply Power	V kW	400 - 50 3~ 3*	400 - 50 3~ 3	400 - 50 3~ 3	400 - 50 3~ 5,5	400 - 60 3~ 7,5	400 - 60 3~ 8,6
Max waterlift	mmH ₂ O	3.000	3.000	3.200	3.600	3.200	
Max airflow	m ³ /h	318	318	420	530	700	840
Filter IEC60335-2-69	cm ² - Class	30.000 - L	30.000 - ANT M	30.000 - L	30.000 - L	49.000 - ANT M	
Capacity	l	60	100	100	100	100	
Dimensions	cm	79x66x170h	79x66x170h	66x118x145h	66x118x175h	66x118x175h	
Weight	kg	90	95	137	150	170	

*also available in single-phase ZFR EL MN version: Supply 230 V 50 Hz, Power 2.2 kW.

INDUSTRIAL APPLICATIONS: DG VL SERIES

The DG VL series industrial vacuum cleaners combine high performance and great resistance. Ideal for vacuuming large quantities of mixed solid and liquid material, in continuous applications or when installed with centralised systems.

FEATURES



Powerful side channel blower with standard pressure relief valve



Wide surface star filter



Self Clean System with compressor installed on board*



Quick-release container



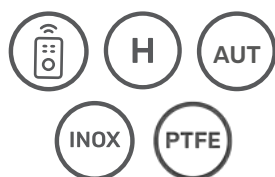
Forklift intakes



SELF CLEAN SYSTEM

Integrated technology that uses a semi-automatic system to remove dust and particle build-up from the filters. This prevents excessive clogging, extending the life of the filter and maintaining consistent suction performance over time.

OPTIONALS



TECHNICAL DATA		DG VL 110 MAN	DG VL 75	DG VL 125	DG VL 185	DG VL 150 SE
Supply Power	V kW	400 - 50 3~ 11	400- 50 3~ 7,5	400- 50 3~ 12,5	400- 50 3~ 18,5	400- 50 3~ 15
Max waterlift	mmH ₂ O	4.000	4.500	4.000	4.000	6.000
Max waterlift for continuous service		2.600	3.600	2.900	3.200	5.300
Max airflow	m ³ /h	1.050	750	1.100	1.350	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	l	160	160	160	160	160
Dimensions	cm	170x74x200h	170x74x200h	170x74x200h	170x74x200h	170x74x200h
Weight	kg	380	360	430	450	440

*Included as standard on models DG VL 75, DG VL 125, DG VL 185, DG VL 150 SE.

INDUSTRIAL APPLICATIONS: DG 200/300

All the power of a high-flow side channel blower, combined with exceptionally high vacuum levels and an integrated automatic filter cleaning system – these are just a few of the reasons why DG vacuum cleaners are more than standard industrial vacuums. They are true tools designed for conveying and removing large quantities of material with maximum efficiency.

FEATURES



High-performance
side channel blower

with standard safety relief valve



Wide surface
star filter



Quick-release
container



**AUT timed automatic
filter cleaning system** with
integrated compressor



Forklift intakes

THREE-PHASE

INDUSTRIAL VACUUMS

AUT AUTOMATIC FILTER CLEANING SYSTEM

An electro-pneumatic piston powered by the onboard compressor automatically and periodically shakes the polyester filter at adjustable intervals, effectively releasing dust and debris to maintain peak performance. The onboard compressor is included as standard.



OPTIONALS



TECHNICAL DATA		DG 200	DG 300 SE	DG 300 HD
Supply Power	V kW	400 - 50 3~ 18,5	400 - 50 3~ 20	400 - 50 3~ 25
Max waterlift	mmH ₂ O	4.400	5.000	4.000
Max waterlift in continuous service		3.200	4.400	3.100
Max airflow	m ³ /h	1.350	1.100	2.050
Filter IEC60335-2-69	cm ² - Class	120.000 - ANT M	120.000 - ANT M	120.000 - ANT M
Capacity	l	220	220	220
Dimensions	cm	92x220x220h	92x220x220h	92x220x220h
Weight	kg	660	760	805

COMPRESSED AIR INDUSTRIAL VACUUMS



**100% COMPRESSED AIR SUPPLY,
NO ELECTRICITY NEEDED**



**COMPACT AND
EASY TO MOVE**



**EXCELLENT
POWER/EFFICIENCY
RATIO**

Delfin offers a complete range of compressed air vacuum cleaners, powered by low air consumption Venturi units – the ideal solution for collecting dust, solids, and liquids where electricity is limited or unavailable.



COMPRESSED AIR INDUSTRIAL VACUUMS

A wide range of industrial vacuum cleaners powered by low air consumption Venturi units – the ideal solution for collecting dust, solids, and liquids where electricity is limited or unavailable.

FEATURES



Wide range of filters
for every type
of application



Filter cleaning system
with
manual filter shaker



Quick-release
container



COMPRESSED AIR

INDUSTRIAL VACUUMS

VENTURI SUCTION UNITS

Ideal for vacuuming dust, solids and liquids in the absence or scarcity of electricity. Reduced compressed air consumption thanks to the perfect balance between consumption and performance.



OPTIONALS



TECHNICAL DATA		MTL 301 AIR	802 WD AIR	452 AIR	DM3 AIR HD 19V	DM3 AIR HD 25V
Applicazione		Polveri e solids	Liquids e polveri	Polveri e solids	Polveri	Polveri
Air supply- Pressure	nl/min - bar	729 (43) - 6	729-1.458 (43-87) - 6	729-1.458 (43-87) - 6	1530 - 6	2500 - 6
Max waterlift	mmH ₂ O	3.700	3.700	3.700	5.000	5.000
Airflow	m ³ /h	150	150-300	150-300	465	590
Filter IEC60335-2-69	cm ² - Class	6.000 - ANT M	Dry 8.000 - L Wet 8.000 - 300µm	20.000 - ANT M	30.000 - ANT M	30.000 - ANT M
Capacity	l	13	80	45	100	100
Dimensions	cm	48x48x90h	53x59x100h	58x63x119h	62x62x160h	62x62x160h
Noise level EN ISO 3744	dB (A)	68	68	68	74	74
Weight	kg	30	30-33	46-49	80	80

OIL AND CHIP VACUUM CLEANERS

Available in capacities from 100 to 600 liters and power ratings spanning 3.5 kW to 11 kW



The Tecnoil range of industrial vacuum cleaners is engineered to quickly remove oils and emulsions mixed with metal chips from machine tools. Each unit filters the recovered liquid and returns it to the system, ready for the next production cycle.

Choosing a Delfin oil and chip vacuum cleaner means saving on oil costs, reducing maintenance needs, and minimizing machine downtime.



FEATURES

OPERATING SYSTEM

Thanks to Delfin vacuum cleaners, it is possible to recover and filter emulsions and benefit from the following advantages:



**REUSE OF
FILTERED COOLANTS**



**REDUCED
MACHINE DOWNTIME**



**UP TO 30% LOWER
MAINTENANCE COSTS**



**CLEANER WORKING
ENVIRONMENT**



**GUARANTEED SAFETY
FOR THE OPERATOR**



**CERTIFIED DISPOSAL OF
ASPIRATED WASTE**

FILTRATION



Chip collection basket separates metal chips & oil



Optional PPL filter 300/100 micron for a higher filtration of metal fines



3D Superweb filter to protect the motor from oil mist

DISCHARGE



Easily empty swarf from the chip collection basket or from the extractable collection container



Flow reversal for rapid liquid discharge (IF models)



Submerged pump for the simultaneous liquids suction and discharge "MPI" Models

ACCESSORIES



The camlock connection guarantees a secure hold of the accessories and no spillage of the vacuumed material (Tecnoil range)



Specific accessory kit available for metal chips & oils



OIL AND CHIPS VACUUMS UP TO 100 / 40 L

Compact and powerful vacuum cleaners designed for collecting oils and metal shavings, featuring a rapid discharge system for recovered liquids. Each unit includes multiple filtration levels tailored to the specific type of liquid being collected, ensuring long-lasting performance.

FEATURES



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



Chip collection basket
separates metal chips & oil



Level indicator and floating device
with mechanical stop when container is full



Simultaneous suction and discharge
thanks to the submersible pump



Tecnoil models enable the rapid extraction of oils and emulsions mixed with metal shavings from machine tools. The recovered liquids are then filtered and returned to the system, ready to be reused in the next production cycle.

OPTIONALS



TECHNICAL DATA		MTL 802 OIL	DM40 OIL	TC 100 IF	TC 100 MPI
Supply Power	V kW	230 50 1~ 2,3	230 50 1~ 3,45	400 50 3~ 3	230 50 1~ 3,45
Max waterlift	mmH ₂ O	2500	2500	3000/2700	2500
Airflow	m ³ /h	360	540	318	540
Filter IEC60335-2-69	cm ² - Class	Polipropilene	Hydro-oil repellent	Superweb 3D PPL 20 micron	Superweb 3D PPL 20 micron
Liquids-solids capacity	l	50 - 30	60 - 40	60 - 40	60 - 40
Discharge system		Exhaust valve	Exhaust valve	Flow reversal	Internal pump 160l/min
Dimensions	cm	53x59x106h	67x66x125h	67x66x135h	67x66x125h
Weight	kg	40	65	95	70

OIL AND CHIPS VACUUMS - CAPACITY UP TO 220-40 L

Vacuum cleaners for medium quantities of oil and metal shavings, equipped with a rapid discharge system for recovered liquids – available with either a submersible pump or air flow reversal. Each unit features level control, a float system, and a removable collection basket. Multiple filtration levels ensure maximum safety and long-term durability, even when vacuuming dense or muddy sludge.

FEATURES



Powerful side channel blower with reverse flow for liquid discharge



20 microns **Superweb 3D filter**



Forklift intakes for easy transport



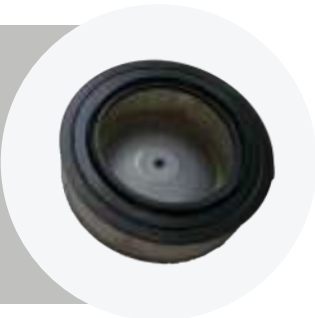
Reverse flow liquid discharge



OIL & CHIPS
INDUSTRIAL VACUUMS

WATER-REPELLENT OWR FILTER (OPTIONAL)

Located to protect the engine, the filter removes most of the oil mist, preventing it from dispersing into the environment and protecting the engine.



OPTIONALS



TECHNICAL DATA		TC 220 IF	TC 220 MPI
Supply Power	V kW	400 50 3~ 3	230 50 1~ 3,45
Max waterlift	mmH ₂ O	3200/2700	2500
Airflow	m ³ /h	318	540
Filter IEC60335-2-69	cm ² - Class	3D Superweb	3D Superweb
Liquids-solids capacity	l	220 - 40	220 - 40
Discharge system		Flow reversal	Submerged pump 160l/min
Dimensions	cm	145x72x175h	145x72x147h
Weight	kg	185	165

OIL AND CHIPS VACUUMS - CAPACITY UP TO 400-50 L

Industrial vacuums with three-phase side channel blowers and large collection capacity. Designed for the collection and separation of chips and lubricants from tanks in CNC machines. Particularly suitable for heavy-duty and continuous applications. Collection and filtration of up to 400 liters of oil mixed with chips. The liquid is quickly discharged by means of powerful electric pumps or by reversing the air flow.

FEATURES



Powerful side channel blower with reverse flow for liquid discharge



Chip collection basket separates **metal chips & oil**



Tilting hopper for chips easy discharge



Optional independent pump delivers rapid drainage at a flow rate of 300 L/min.

OPTIONALS

OWR



TECHNICAL DATA		TC 400 IF	TC 400 T43
Supply Power	V kW	400 50 3~ 4	400 50 3~ 4,3
Max waterlift	mmH ₂ O	3.200	5.100
Continuous max waterlift		2.600	4.400
Airflow	m ³ /h	420	320
Filter IEC60335-2-69	cm ² - Class	3D Superweb	3D Superweb
Liquids-solids capacity	l	400 - 50	400 - 50
Discharge system		Flow reversal	External pump (400l/min)
Dimensions	cm	140x70x180h	140x70x180h
Weight	kg	225	250

OIL AND CHIPS VACUUMS - CAPACITY UP TO 600-75 L

The most powerful vacuum cleaner in the range dedicated to recovering and separating oil from metal chips. Powerful side channel blower, 600-litre liquid collection capacity and 75-litre metal chip collection capacity. Machine tool maintenance will no longer be a problem thanks to this vacuum cleaner.

FEATURES



Vacuum cleaner for sludge and swarf collection from the bottom of tank



Dual filter system (PPL + 3D Superweb)



External removable tilting bin for chip collection



Forklift intakes on both sides



OIL & CHIPS

INDUSTRIAL VACUUMS

3D SUPERWEB FILTER

The 3D Superweb filter ensures exceptional filtration efficiency thanks to its three-dimensional, multi-layer structure that captures even the finest particles. It offers long service life, reduced pressure drop, and easy cleaning – guaranteeing consistent performance and maximum motor protection.



OPTIONALS



TECHNICAL DATA		TC 600
Supply Power	V kW	400 - 50 3~ 11
Max waterlift	mmH ₂ O	5.100/4.300
Continuous max waterlift		
Max airflow	m ³ /h	520
Filter IEC60335-2-69	cm ² - Class	3D Superweb
Liquids-solids capacity	l	610 - 75
Discharge system		External pump
Dimensions	cm	195x72x195h
Weight	kg	405

VACUUM CLEANERS FOR LARGE QUANTITIES OF MATERIAL

Suction unit with integrated side channel blower and filter, featuring a large collection capacity. Designed for easy handling and long-lasting performance.



Powerful side channel blower with pressure relief valve



Forklift intakes for forklift trucks



Sight glass for easy visual inspection of the filling level.



Safe and fast **front discharge** via safety lever



Forklift intakes allow safe lifting and transport, making it easy to move vacuum cleaners throughout the facility.



TECHNICAL DATA		C600 M	C600 T75 NT	C1000 T75	C1000 T110
Supply - Power	V kW	230 - 50 3~ 3,45	400 - 50 3~ 7,5	400 - 60 3~ 8,6	400 - 60 3~ 14,5
Max waterlift / Continuous max waterlift	mmH ₂ O	2.500	3.200/2.700	3.200/2.700	3.400/2.700
Max airflow	m ³ /h	540	700	840	1300
Filter IEC60335-2-69	cm ² - Class	49.000 ANT M	49.000 ANT M	49.000 ANT M	49.000 ANT M
Capacity	l	600	600	1000	1000
Dimensions	cm	100x120x224h	210x120x220h	210x120x220h	100x120x224h
Weight	kg	380	530	530	380

DUST COLLECTORS

integrated suction of dust, shavings and fine airborne particles



**HIGH AIRFLOW FOR EFFECTIVE
CLEANING. EXTRACTION ARM
OR INTEGRATED ON
PRODUCTION LINES**



**DUST-FREE
WORK ENVIRONMENT**



CERTIFIED SAFETY



Mobile dust collectors are designed to deliver exceptionally high airflow rates. Their primary function is to capture airborne dust, improving air quality throughout the workspace. They also provide an ideal solution for localized extraction, including direct integration with processing machines.



PORTABLE DUST COLLECTORS FOR AIRBORNE DUST AND PARTICLES

Wheeled dust collectors offering super high airflow; equipped with powerful fans, large surface polyester filters, and convenient manual or automatic filter cleaning system. Ideal for mobile use with extraction arms, for extraction at the source, or in small-to-medium fixed installations.

FEATURES



Fan with high airflow
performance



High-efficiency filters
with very large surface area



Convenient manual or
automatic filter
cleaning systems



Available suction arm
(optional)



SUCTION ARM SYSTEM

The articulated suction arm captures dust directly at the source, preventing it from spreading into the environment. This safeguards the operator's health, preserves clear visibility, and ensures a safer, regulation-compliant workspace.

OPTIONALS



TECHNICAL DATA		ZFR EV 420 K07	ZFR EV AP 560 K1	ZFR EV AP 560 K2	ZFR EV AP 560 K4	ZFR EV AP 560 K5
Supply Power	V kW	400 - 50 3~ 0,75	400 - 50 3~ 1.1	400 - 50 3~ 2.2	400 - 50 3~ 4	400 - 50 3~ 5.5
Suction inlet Ø	mm	100	200	200	200	200
Max waterlift	mmH ₂ O	180	160	210	370	470
Max airflow	m ³ /h	1.000	1.500	2.500	3.500	3.000
Capacity	l	45	100	100	100	100
Filter	cm ² -mm	20.000 - L	50.000 - 560	50.000 - 560	50.000 - 560	50.000 - 560
Dimensions	cm	58x63x180h	78x85x214h	78x85x214h	78x85x214h	78x85x214h
Weight	kg	60	100	100	130	130

THREE-PHASE DUST COLLECTORS

High air flow industrial dust collector for localised or integrated extraction of fine dust. The large filter cartridges ensure total filtration of the extracted dust, while a convenient release mechanism allows for its easy disposal.

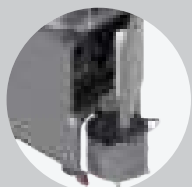
FEATURES



Electric fan
capable of generating very high
air flow rates



Cartridge filters with
very large
filtering surface



Quick-release container



Suction arm
included as standard
on CUBE 10

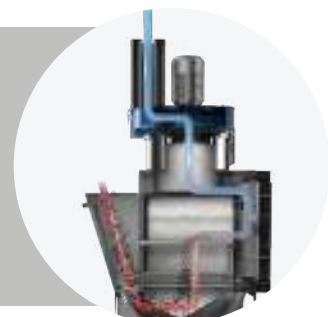


DUST
COLLECTORS

INDUSTRIAL VACUUMS

AUTOMATIC FILTER CLEANING SYSTEM WITH REVERSE AIR PULSE

When the filter starts to clog, a burst of compressed air automatically reverses the airflow, loosening and expelling the accumulated dust. This self-cleaning process keeps the vacuum running efficiently and extends the life of the filter.



OPTIONALS



TECHNICAL DATA		CUBE 10	CUBE 20 PN ACD	CUBE 20 PN Z22
Supply / Power	V kW	400 - 50 3~ 1,1		400 - 50 3~ 2,2-4
Max waterlift	mmH ₂ O	144 - 121		210 - 370
Max airflow	m ³ /h	2.100 - 1.350		2.500 - 3.500
Filter IEC60335-2-69	cm ² -Class	10 - ANT M		200.000 - Teflon ANT M
Container capacity	l	5		90
Noise level	dB(A)	69	72	72-74
Dimensions	cm	90x80x110h		135x88x255h
Weight	kg	145		250

VACUUM CLEANERS FOR FLOOR PREPARATION

dust extraction from construction tools & machinery
for floor preparation & construction industry



**SAFE COLLECTION OF FINE
AND HAZARDOUS DUST**



**INTEGRATED MANUAL OR
AUTOMATIC FILTER
CLEANING SYSTEM**



**COMPACT AND
USER-FRIENDLY**

Companies specialising in floor preparation use machinery and tools that generate large amounts of fine dust – which can be harmful to operators' health. Alongside personal protective equipment, the most effective solution is the use of industrial vacuum cleaners, which extract dust directly at the source and prevent it from spreading into the surrounding environment.



DUST AND SOLID MATERIAL VACUUM CLEANERS

Compact and powerful vacuum cleaners designed for fine dust extraction. Equipped with a safe dust bagging system, they allow the collection of fine, toxic, or harmful dust in total safety. The retractable frame design makes it easy to handle and transport.

FEATURES



2 single-phase bypass motors
manufactured in the EU



Manual filter cleaning systems



Safe dust collection with **Endless Bag**



Telescopic system to facilitate transport on vehicles



SURFACE TREATMENT

INDUSTRIAL VACUUMS

RETRACTABLE FRAME

LP models feature a retractable frame that lowers the unit's height for easier handling and transport.



OPTIONALS



TECHNICAL DATA		MTL 202 BP LP	DM3 EL LP
Supply Power	V kW	230 - 50/60 1~ 2,2	230 - 50/60 1~ 3,3
Max waterlift	mmH ₂ O	2.500	2.500
Airflow	m ³ /h	360	540
Capacity	l	20 m Endless bag	20 m Endless bag
Filter	cm ² - mm	30.000 ANT M	30.000 ANT M
Cleaning system		Dustop	Manuale
Dimensions	cm	54x69x134h	80x66x157h
Weight	kg	55	70

FLOOR PREPARATION

Powerful vacuum cleaners ideal for use with floor preparation machinery, designed to collect large quantities of fine dust. Thanks to an automatic, continuous filtration system powered by an integrated compressor, they ensure consistent performance and efficiency. Equipped with a safe dust bagging system, they allow the collection of fine, toxic, or harmful dust in total safety.

FEATURES



Wide range of motor configurations



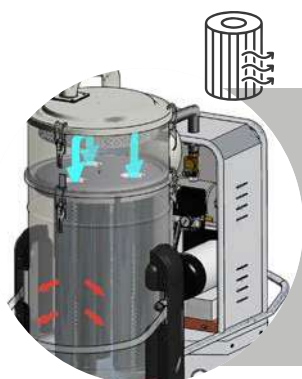
High filtration efficiency cartridges



Automatic PN filter cleaning system with reverse air pulse



Safe dust collection with Endless Bag



AUTOMATIC PN FILTER CLEANING SYSTEM

A compressed air tank powered by an integrated dry compressor blows a 6-bar jet inside the filter cartridges, loosening and removing accumulated dust. The interval between each jet can be adjusted via a timer.

OPTIONALS



TECHNICAL DATA		DM3 PN 3BP	XTRACTOR 3BP	DM3 PSR	XTRACTOR 75 AF
Supply Power	V kW	230 - 50 1~ 3,45	230 - 50 1~ 3,45	230 - 50 1~ 3,45	400 1~ 7,45
Max waterlift	mmH ₂ O	2.500	2.500	2.500	4.000/2.700
Max airflow	m ³ /h	540	540	540	700
Capacity		60 l	20 m endless bag	2 x 20 m endless bag	100/ 20 m endless bag
Filter	cm ² - mm	57.000 M PTFE	57.000 M PTFE	30.000 M PTFE	80.000 M PTFE
Dimensions	cm	67x93x168	65x91x190/164h	123x66x162h	78x127x178h
Weight	kg	142	140	105	215

VACUUM CLEANERS WITH LOBE PUMPS FOR INDUSTRIAL APPLICATIONS

high power, from 22 to 45 kW



**EXCEPTIONAL COLLECTION CAPACITY AND
EASE OF HANDLING OF
COLLECTED MATERIAL**



**MAXIMUM SUCTION
PERFORMANCE AND RELIABILITY**

Cement factories, foundries, steelworks, incinerators and power stations require powerful and effective cleaning tools. DHV vacuum cleaners make it easy and safe to remove and handle large quantities of dusty and solid material; they are the ideal solution for maintenance and cleaning work in heavy industry.



VACUUM SOLUTIONS FOR HEAVY INDUSTRY

To maintain peak operational efficiency and high safety standards, facilities like cement plants, foundries, steel mills, incinerators, and power plants need robust and efficient cleaning systems capable of handling large volumes of material.

Delfin's DHV industrial vacuums are designed to safely and effectively remove and transport significant quantities of solid, dusty material. Thanks to their cutting-edge features, the DHV range is the most suitable solution for industries that manage high volumes of dust, waste, and residue – a constant risk to productivity and safety.



CEMENT PLANTS



MINES



POWER PLANTS
(COAL, BIOMASS, INCINERATORS)



FOUNDRIES



STEELWORKS
(FORGING, ROLLING, SHOT BLASTING)



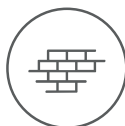
GLASSWORKS



SHIPYARDS



FERTILIZER
PRODUCTION



CONSTRUCTION AND
CIVIL ENGINEERING
INDUSTRIES



REFINERIES

HIGH-PERFORMANCE VACUUM CLEANERS FOR HEAVY INDUSTRY

Delfin DHV industrial vacuum cleaners are the most effective solution for maintenance and cleaning requirements within production plants, allowing for the safe and simple management of large quantities of dust and solids.

- Vacuum cleaners designed for heavy-duty
- High-performance, long-lasting products
- High filtration efficiency
- Various customised solutions available on request
- Extended operating autonomy
- Low noise level
- Engineered for effortless installation and maintenance



COMPACT TANK
with 1,000 litre capacity
removable container

COMPACT HOPPER
with 1,000-litre capacity hopper
and Big-Bag discharge

DHV TANK
with removable 800-litre
capacity container

DHV HOPPER
with 1,000-litre capacity hopper
and butterfly discharge valve

SIMPLICITY AND SAFETY

DHV vacuum cleaners feature forklift-liftable removable containers for safe, easy handling and quick material discharge through convenient safety bars.



FEATURES

TECHNICAL DATA		COMPACT 22 TANK	COMPACT 30 HOPPER	DHV TANK 30	DHV HOPPER 45
Supply Power	V kW	400 - 50 3- 22	400 - 50 3- 30	400 - 50 3- 30	400 - 50 3- 45
Max waterlift	mmH ₂ O	5.000 / 7.500	5.000	5.000 / 7.500	5.000 / 8.500
Max airflow	m ³ /h	1.100 - 1.300	1.700	1.700 - 1.300	1.700 - 2.300
Main filter	cm ²	120.000	120.000	180.000	180.000
Safety filter	cm ²	40.000	40.000	70.000	70.000
Dimensions	cm	196x163x272h	202x167x359/435h	168x160x291h	168x160x356h
Weight	kg	1.800	2.320 - 2.340	2.320	2.310

CENTRALIZED VACUUM SYSTEMS

centralized extraction systems for for all types of applications



**COMPLETE PROJECT
MANAGEMENT – FROM ANALYSIS
TO DESIGN AND INSTALLATION**

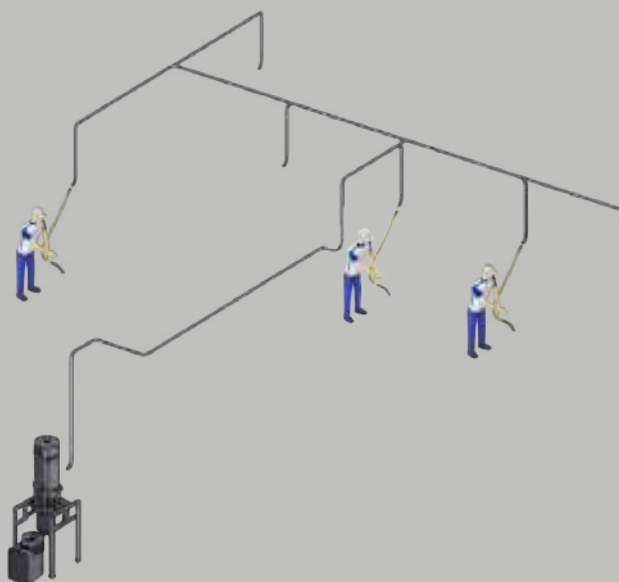


**MAXIMUM PRODUCTION
EFFICIENCY**



**COMPLETE CLEANING OF THE
WORK ENVIRONMENT**

Delfin centralized vacuum systems are engineered to collect material efficiently over long distances and from multiple points at once – all depending on the unit's power and the application's specific requirements.

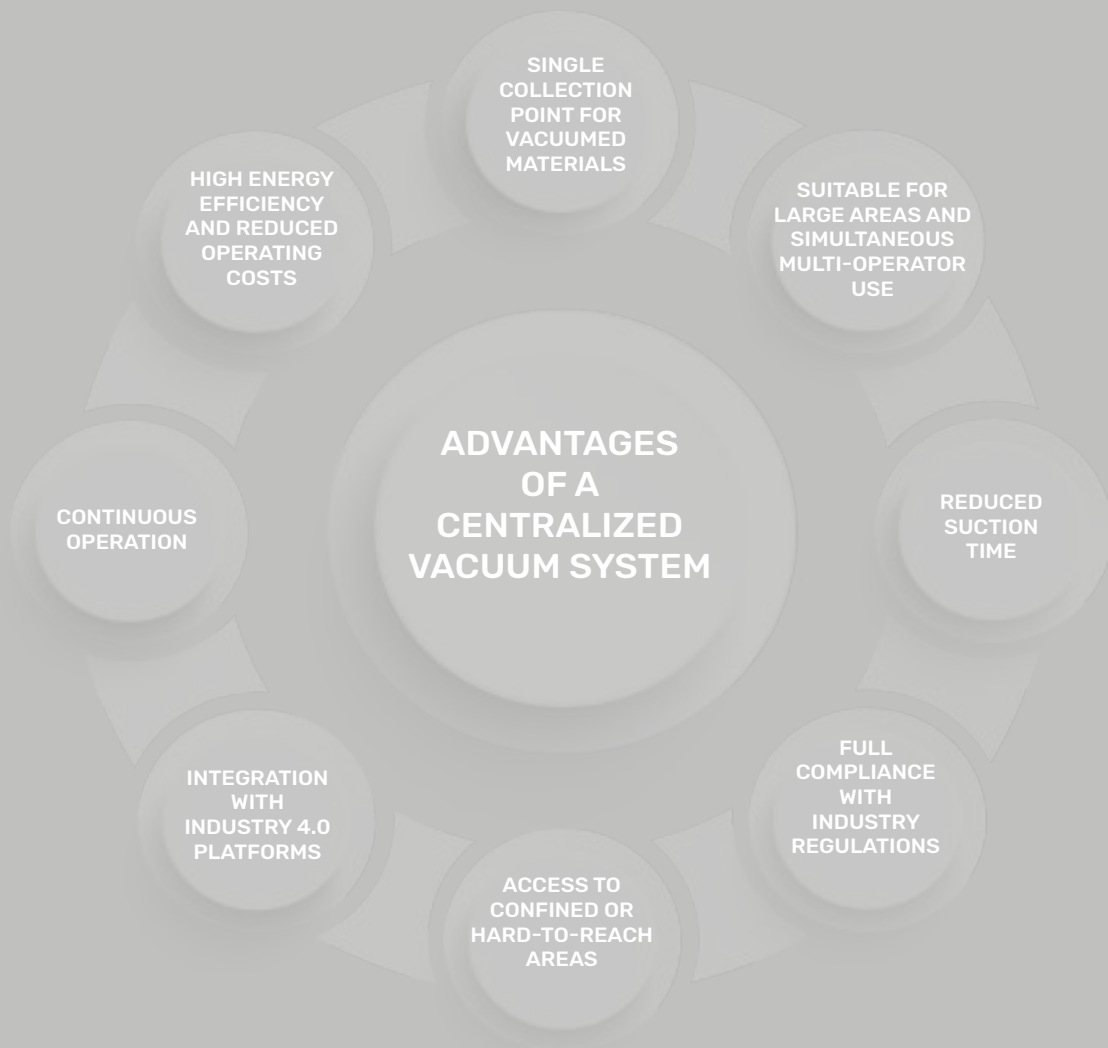


When to Choose a Centralized Vacuum System

Mobile vacuum systems can be useful in a variety of situations, but in some cases, a centralized vacuum system is the best solution to keep an industrial facility running at peak efficiency.

For large facilities with multiple suction points and long distances to cover, a centralized vacuum system offers the perfect solution. It collects material from several production stations — including directly from process machines — and transfers it to a single collection point for easy disposal or recovery, streamlining your entire operation.

Centralized vacuum systems boost productivity by improving workplace conditions and ensuring top-level safety for operators. By managing collected materials from a single point, they save time, reduce risks, and create a cleaner, more efficient, and better-organized facility.



SEPARATORS

ADDED VALUE TO THE VACUUM CLEANER

Handling large volumes of dusty or solid material is easier with a mobile separator – it boosts collection capacity, cuts working time, and protects the vacuum's filter by reducing buildup, ensuring long-lasting performance and maximum efficiency.

Pre-separators for capacity increases up to 1000 l



Pre-separators with Endless bag



Water Pre-separators for Incandescent Materials



Preseparator lids for industrial drums



Mobile pre-separators



Pre-separators for conductive and explosive dusts



ACCESSORIES

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, so they can be used in all types of applications and industries, from the pharmaceutical industry to the food industry, from the mechanical industry to nuclear power plants.

For more information on features and possible applications, take a look at our ACCESSORIES CATALOGUE.



General Cleaning

Accessory kits for general vacuuming of dust and solids



Oil and Chips

Accessory kits for oil and chip collection



Oven Cleaning

Cleaning kits for vacuuming inside ovens



Overhead Cleaning

Accessory kits for overhead cleaning (up to 3 meters)



Stainless Steel

Stainless steel antistatic accessories (AISI)



Autoclavable

Accessory kits for cleanroom use, fully autoclavable

DELFIN TAKES YOU TO THE HIGHEST LEVEL OF OVERHEAD CLEANING



Facility sanitation & workers' safety are at the top of every EHS managers' priority list. Overhead cleaning presents its own risks without having carefully implemented safety procedures. Along with fighting injuries, health risks, bacteria and recalls, proper handling of potentially combustible dust adds to the complexity of having a well-rounded housekeeping program.

High ceiling beams are some of the most hazardous accumulation points for dust, and they're also some of the most difficult to maintain.

We have the lightest, most innovative tools for you to stay compliant and replace the old methods that affect productivity.

HIGHER

Carbon fiber extension poles make it easy to clean overhead beams
Clean from the safety of the ground floor

SAFER

Guaranteed no-spark, conductive system
No risk of injury by falling or hunching over
Innovative locking mechanism prevents poles & tools from separating

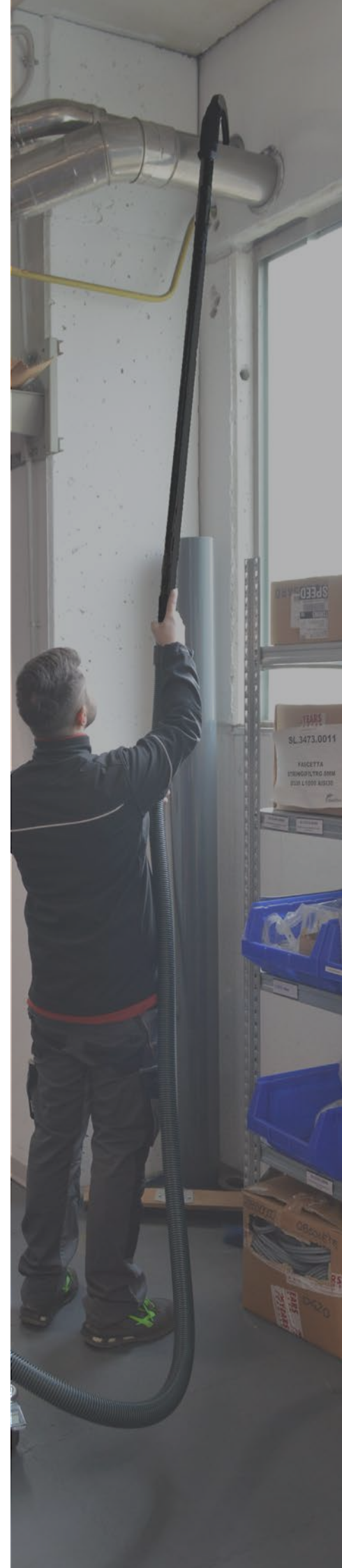
FASTER

Specialized tools for all applications
Quick assembly / disassembly
Unique range of accessories available

SMARTER

Eliminates the cost of scaffolding and lifts
Small operational footprint
Unique range of accessories available

**DELFIN'S NEW LIGHTWEIGHT OVERHEAD TOOLS
REDUCE INJURIES FROM FALLS,
COMBUSTIBLE DUST AND HEALTH RISKS**



THE IMPORTANCE OF FILTRATION

Efficient filtration is essential to prevent contamination of products and production environments, while ensuring production quality and operators' safety.

Delfin vacuum cleaners are equipped with certified progressive efficiency filters that prevent even the finest dust particles from being released back into the surrounding work environment.

- Guaranteed sterility of environments
- Class M or H* primary filters
- H/HEPA filtration for extremely fine dust, up to 99.995% of particles measuring 100 nanometres
- Convenient and efficient manual or automatic filter cleaning systems installed on the machine

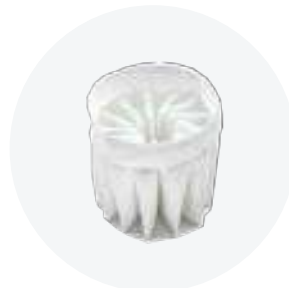
*Reference standard IEC/EN60335-2-69, H14 with individual filter traceability



Class M filter
Ideal for fine dust particles down to 1 micron



H/HEPA absolute filter
Ideal for fine dust particles 99.995% efficiency at 0.18 microns



Antistatic filter
Ideal for preventing the transmission of static electricity



OWR filter
Water repellent for motor head protection



Filter with PTFE coating
Ideal for clogging powders



NOMEX filter
Resistant up to 180°C
Ideal for hot dust



Activated carbon filter
designed to eliminate unwanted odors



PPL filter
Ideal for oil filtration requirements
300 or 100 microns

PNEUMATIC CONVEYING SYSTEMS



**PREVENT
CROSS-CONTAMINATION**



**NO PRODUCT ALTERATION
OR SEPARATION
DURING TRANSFER**



**HEALTH AND SAFETY
IN THE WORKPLACE**



**EASY INSTALLATION AND
LOW MAINTENANCE COSTS**



In every industrial process, conveying powders, solids, and granular materials is a key step.

Pneumatic conveyors are the most efficient and reliable solution — ensuring zero product loss and total protection against contamination.



GREATER EFFICIENCY AND PRODUCTIVITY

Pneumatic conveying systems are widely used in the food, agri-food, nutraceutical, pharmaceutical, and chemical industries. These systems transfer materials from one point to another through closed, sealed pipelines, completely eliminating the risk of cross-contamination.

A stream of compressed air flowing through the pipes creates a negative pressure differential, which moves and conveys the material. Some industries such as chemical and pharmaceutical often use nitrogen (inert) instead of compressed air since it provides the ideal solution for safely handling potentially explosive materials.

Pneumatic conveyors are essential across a wide range of industries, increasing productivity and improving the efficiency of automated machinery by up to 30%.



FOOD AND BEVERAGE

From coffee to tea, from legumes to dried fruit – and everything in between, including flour, cereals, spices, chocolate, and rice – Delfin conveyors handle every type of food product with precision and care. Thanks to advanced technology, they ensure safe, efficient, and contamination-free transfer for every stage of your production process.



PHARMACEUTICAL AND NUTRACEUTICAL

In the pharmaceutical industry, the purity of every component is paramount. Our technology ensures the safe, efficient, and hygienic transfer of powders, preserving the purity and integrity of the final product at every stage of the process.



CHEMICAL INDUSTRY

Our systems maintain a high conveying capacity while minimising downtime for cleaning or product changeovers. They reduce manual labor and effectively remove potentially toxic vapors, ensuring a safer and more efficient working environment.



3D PRINTING

Delfin Pneumatic Conveyors works alongside the major leaders in 3D printing, sharing the goal of automating and improving the entire production process.

TRANSFER OF POWDERS AND SOLIDS

In pneumatic conveying, the driving force is generated in different ways – through Venturi pumps, lobe pumps, or electric blowers, available in both single and double-stage versions



HANDLING



SEPARATION



LOADING/UNLOADING



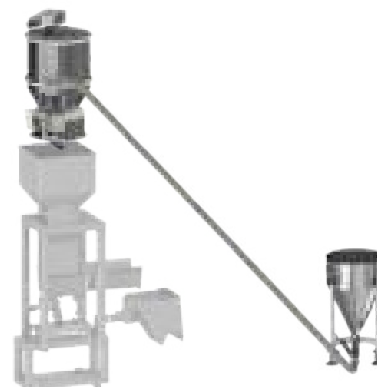
DISTRIBUTION



MIXING



DOSAGE



Features

- > AISI304/316 stainless steel construction
- > Fully customisable
- > CE and FDA certified for food use
- > ATEX zone 21 or 22 certification available
- > Wide range of accessories available

Suction unit

- > Single-phase or three-phase electric (from 1 to 17.3 kW)
- > Multi-nozzle compressed air (from 4 to 15 nozzles)

Loading unit

- > Tangential product inlet from 40 to 100 mm
- > Capacity from 8 to 65 l

Discharge unit

- > 100 to 250 mm outlet
- > Clapet, actuated or balanced butterfly valve

Filtration unit

- > Food-grade polyester filters with PTFE coating or AISI316 stainless steel
- > Automatic filter cleaning systems

Some optional extras available

- > Suction lance
- > Product intake hopper
- > Dedicated finishing
- > Discharge valve
- > Maximum level sensor for conveyor or receiving system
- > Fixed or dynamic positioning systems



Pneumatic models (6 bar)		
Venturi ejectors		4-15
Air consumption	NI/min	370-1400
Max waterlift	mbar	750
Airflow	m³/h	110-380

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

With over thirty years of experience, Delfin is a global leader in the production of industrial vacuum solutions and offers a wide range of products: from vacuum cleaners to centralised vacuum systems and pneumatic conveyors. Our mission is to create value by designing innovative solutions that can improve efficiency, safety and productivity in key manufacturing processes.

