DEPURECO®
INDUSTRIAL VACUUMS

DUST COLLECTORS

WHY USE A DUST COLLECTOR?

POINT OF SOURCE EXTRACTION

Industrial vacuuming is a key element in ensuring cleanliness and efficiency in working environments. Volatile and airborne dust are indeed a common problem in industry, especially in sectors such as woodworking, cement and ceramic production and the food industry. Managing these waste materials is critical to ensuring a safe and clean work environment, and to maintaining high standards of efficiency and productivity.

FAST AND EFFICIENT CLEANING
of the workspace and its sorroundings

SAFETY
for the workers and the work environment

PRODUCTIVITY
reduction of accidents and downtimes

SAFETY FOR WORKERS AND WORK ENVIRONMENT

Breathe safely with the right vacuum for fine or hazardous dust. Using a dust collector protect workers and the environment from fine or hazardous dust exposure. Depureco vacuums come standard with M-class filters for everyday protection. For the toughest jobs and the highest level of safety, you can upgrade to H-class filters. H-class filters capture even finer particles, ensuring maximum protection.

+ STURDY METAL CONSTRUCTION
Increased durability and suitability for heavy-duty tasks.

+ HIGH PERFORMANCES
Extensive selection of suction units to fit every specific application.

+ HIGH CUSTOMIZATION
Wide manufacturing optionals to satisfy specific requirements.

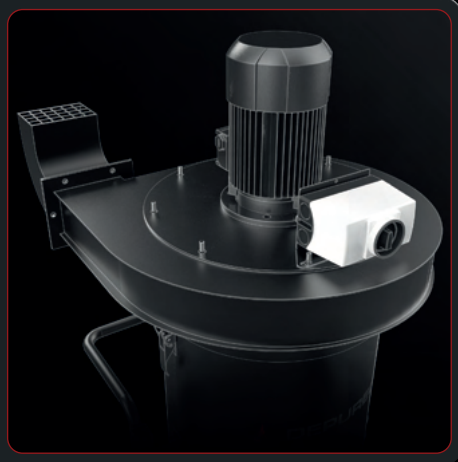
HOW TO CHOOSE?

AIRFLOW

SUCTION UNIT

The unit is equipped with a powerful electric fan capable of producing a huge airflow able to collect all kinds of airborne dust and particles, keeping a safe work environment.

	DF 075	DF 22	DF 40
INLET DIAMETER (mm)	70 | 100 | 120	100 | 120 | 150	150 | 180 | 200
AIR FLOW (m^3h)	300 | 600 | 800	800 | 1000 | 1400	1500 | 2100 | 2700



FILTER CLEANING SYSTEM

FILTER SHAKER MANUAL

The vacuum cleaner is equipped with a lever connected directly to the filter. The vertical movement of the lever compresses the filter, causing the material to detach from the surface of the filter and fall into the container.

PSC - AUTOMATIC

The vacuum cleaner is equipped with a pneumatic piston connected directly to the filter. The vertical movement of the piston compresses the filter, causing the material to detach from the surface of the filter and fall into the container.

It requires compressed air to operate.

SP - AUTOMATIC

Each filter cartridge is cleaned at adjustable intervals by a high-pressure (6 Bar) air jet, which shakes the cartridge, dislodging large amounts of material from the filter, making it completely clean in a matter of seconds.

It requires compressed air to operate.

COMBUSTIBLE DUST IN ATEX ZONES

THIRD PARTY CERTIFIED

ZONE 2

Atex marking:
II 3/3G Ex h IIB T3 Gc/Gc

Dry Type dust collector for ***zones with occasional presence of gas.***

ZONE 22

IIIC DUST

Atex marking:
II 1/3D Ex h IIIC T140 Da/Db

Market's first Dry Type dust collector for ***Group IIIC conductive dusts.***

APPLICATION

ARTICULATED ARM

Articulated arm, able to be bent in any position you need to extract non combustible light dust that becomes airborne keeping the work environment safe. The arm comes with a flow regulator to adjust the suction power.

DIRECT EXTRACTION

A flexible hose connects the dust collector directly to the source to vacuum the dust directly from the machines. Can be used to estract, directly at the source, potentially explosive dust such as IIIC category powders like aluminum, zinc, carbon fiber, titanium and more.

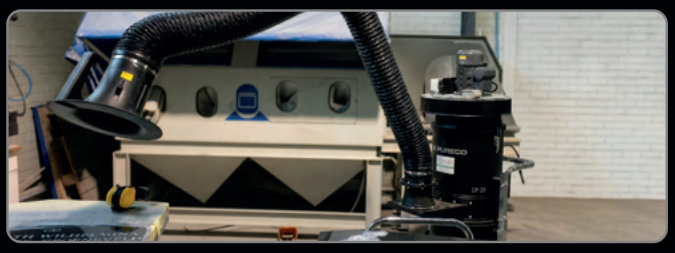
THIRD PARTY CERTIFIED

ATEX ARTICULATED ARM

Articulated arm, made of stainless steel, able to be bent in any position you need to extract combustible dust such as IIIC category powders, to avoid any combustion and avoid potential danger, keeping your work environment safe. The arm comes with a flow regulator to adjust the suction power.

NON-CLASSIFIED ZONES

In an area designated as an "unclassified location," the risk of explosive atmospheres forming is absent or entirely negligible, given the nature of the environment and the type of dust present. Consequently, the use of machinery with specific explosion-proof certifications is not required. Standard industrial equipment and solutions are therefore perfectly suitable and safe for operations in this area.



CLASSIFIED ATEX ZONES

Group IIIC (conductive) dust in ATEX Zone 22 environments poses a severe ignition hazard, strictly prohibiting the use of standard equipment. To ensure safety and compliance, specialized ATEX-certified machinery is mandatory. Our industrial vacuums meet these strict requirements, available with 1/3D ratings for hazardous dust and 3/3G ratings for gas environments.

CUSTOM FIXED INSTALLATIONS

Depureco engineers and manufactures centralized vacuum systems equipped with powerful electric fans that deliver massive airflow, capable of collecting large amounts of dust to create a healthier and safer work environment. These systems feature large surface area filters and can be customized with various discharge systems to meet specific needs.

FILTRATION OPTIONS

M CLASS

Polyester filter for dust category M.

Filtration efficiency down to 1µ.

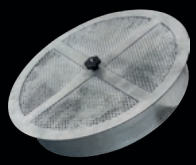
ANTISTATIC M

Antistatic polyester filter with increased surface area for dust category M.

Filtration efficiency down to 1µ.

NOMEX

High temperature resistant filter ideal for hot dust extraction.



ACTIVE CARBONS

Activated carbon filter to retain odours.

PTFE

Teflon-blended polyester filter, particularly suitable for vacuuming up fine dust and sticky materials.

M CLASS CARTRIDGE

Polyester antistatic cartridge for dust category M.

Filtration efficiency down to 1µ.

HEPA 13

Absolute cartridge filter for very fine dust with high filtration efficiency of *99,95 %*

HEPA 14

Absolute cartridge filter for very fine dust with very high filtration efficiency of *99,995 %*

CONNECTION ACCESSORIES

	Ø	CODE
Flanged connection for hoses	200/70 mm	P12300/70
	200/100 mm	P12300/100
	200/120 mm	P12300/120
	200/150 mm	P12300/150
	200/180 mm	P12300/180
	200/200 mm	P12300/200

Y two ways flanged connection for hoses	200/70 - 70 mm	P12335/70
	200/100 - 100 mm	P12335/100
	200/120 - 120 mm	P12335/120

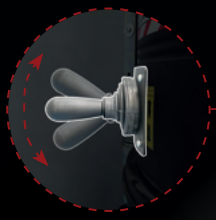
Flanged connection for arms	100 mm	P12334/100
	160 mm	P12334

PUR - Antistatic polyurethane flexible hose	70 mm	P11841/70
	100 mm	P11841/100
	120 mm	P12357/120
	150 mm	P12357/150
	180 mm	P12357/180
	200 mm	P12357/200

DF 075/22

Electric Fan

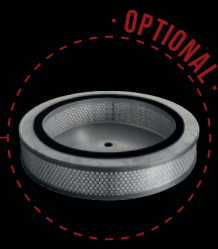
M-Class filter



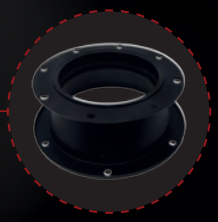
Manual filter shaker

65/100 Lt
bin capacity

Automatic filter
cleaning systems



HEPA filter (H13 or
H14)



70 - 100 - 120 - 150 mm
inlet with deflector

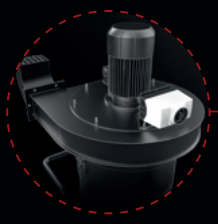
- Power: 0,75 - 2,2 kW
- Capacity: 65/100 Lt
- Filtering surface: 24000 cm²
- Dimensions: mm 660 X 800 X 1630 h

THIRD PARTY CERTIFIED

ATEX version available

		DF 075			DF 22			DF 075 DEX		DF 22 DEX	
Code		*A1125*			*A1097*			*A1830*	*A1840*	*A1750*	*A1820*
ATEX Marking		-			-			*II 1/3D Ex h IIIC T140 Da/Dc*	*II 3/3G Ex h IIIC T140 Gc/Gc*	*II 1/3D Ex h IIIC T140 Da/Dc*	*II 3/3G Ex h IIIC T140 Gc/Gc*
Power	kW - HP	0,75 - 1			2,2 - 3			0,75 - 1		2,2 - 3	
Voltage / Frequency	V | Hz	400 | 50/60			400 | 50/60			400 | 50/60		400 | 50/60	
IP | Insulation Class		55 | F			55 | F			55 | F		55 | F	
Maximum vacuum	mBar	185	200	180	350	350	350	185	180	350	350
Maximum air flow	m³h	300	600	800	800	1000	1400	300	800	800	1400
Inlet	Ømm	70	100	120	100	120	150	70	120	100	150
Noise level	dB(A)	70			73			70		73	
Bin capacity	Lt	65/100			65/100			65/100		65/100	
Dimensions	mm	660 X 800			660 X 800			660 X 800		660 X 800	
Height	mm	1630			1630			1630		1630	
Weight	kg	110			120			110		120	
Primary filter											
Surface	cm²	24000			24000			24000		24000	
Class EN 60335-2-69	IFA|BGIAM-PES	M Class			M Class			M Class		M Class	
Media		Polyester			Polyester			Antistatic Polyester		Antistatic Polyester	
Filter cleaning		Manual			Manual			Manual		Manual	

DF 40



Electric Fan

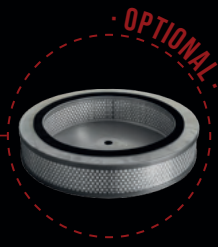
M-Class filter

Manual filter shaker

65/100 Lt
bin capacity

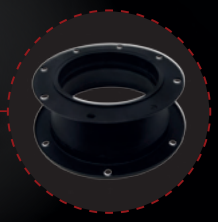
OPTIONAL

Automatic filter
cleaning systems



OPTIONAL

HEPA filter (H13 or
H14)



150 - 180 - 200 mm
inlet with deflector

- Power: 4 kW
- Capacity: 65/100 Lt
- Filtering surface: 45000 cm²
- Dimensions: mm 630 X 1100 X 2150 h

THIRD PARTY CERTIFIED

ATEX version available

		DF 40			DF 40 DEX	
Code		*A1102*			*A1850*	*A1860*
ATEX Marking		-			*II 1/3D Ex h IIIC T140 Da/Dc*	*II 3/3G Ex h IIIC T140 Gc/Gc*
Power	kW - HP	4 - 5,5			4 - 5,5	
Voltage / Frequency	V | Hz	400 | 50/60			400 | 50/60	
IP | Insulation Class		55 | F			55 | F	
Maximum vacuum	mBar	370	340	270	370	270
Maximum air flow	m³h	1500	2100	2700	1500	2700
Inlet	Ømm	150	180	200	150	200
Noise level	dB(A)	73			73	
Bin capacity	Lt	65/100			65/100	
Dimensions	mm	630 X 1100			630 X 1100	
Height	mm	2150			2150	
Weight	kg	145			145	
Primary filter						
Surface	cm²	45000			45000	
Class EN 60335-2-69	IFA|BGIAM-PES	M Class			M Class	
Media		Polyester			Antistatic Polyester	
Filter cleaning		Manual			Manual	

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