

**DBF30
FIXED SUCTION UNITS FOR DUST AND SOLID MATERIAL**

Voltage	Volts Hertz	50
Power	KW HP	2,2 3
Depression	mm.H2O	3000
Air Flow	M3/h	300
Filter Surface	cm2	12000
Type of Filter	12 Pockets	Polyester
Filter efficiency	CAT BIA Micron	M/G >3
Filter shaker	Manual	Standard
Capacity	Lt. (H) Lt. (V)	25 40
Suction inlet	Ø mm	60
Noise level	dB	72
Protection	IP	55
Insulation	Cl	F
Dimensions	cm (H) cm (V)	35x70 41x38
Height	cm (H) cm (V)	50 90
Weight	Kg	44



Standard Features

- The DBF models are fixed vacuums designed to suck up dust or solid material continuously, usually on production machinery. They are available in two different versions: horizontal (with the turbine and the steel container fitted on a metal plate) or vertical (the steel container is fitted on top of the turbine).
- The suction unit is a turbine motor of the "side channel blower" type: the fan being directly shafted on the motor shaft, this type of motor requires no transmission system and provides a performance of 2.850 RPM. It is thus completely maintenance free, ideal for non-stop and heavy duty performance, very silent and resistant. The motor matches the IP 55 protection level.
- The DBF models all have a manual filter shaker system, which allows an easy and efficient cleaning of the filter. The standard polyester pocket-filter has a filtering surface of 12.000 cm², a 3 micron efficiency (cat. M/G, 3 micron efficiency), and provides a high performance filtration. Other filters (for high temperature, fine dust, Teflon) are available as optionals.
- A releasable steel container of 25 lt. (version H) or 40 lt. (Version V) enables to dispose easily of the sucked up material.
- The suction inlet has an internal deflector and a 60 mm. diameter connection, with reduction available down to 40 mm.
- The frame is made of epoxidic painted steel, and can be mounted on wheels (optional).

**DG15 SGA
INDUSTRIAL VACUUM CLEANER FOR DUST AND SOLID
MATERIAL**

Tension	Volts Hertz	230-400/50 265-465/60
Power	Kw HP	1,1 1,5
Max Vacuum Rate*	mm.H2O	2750
Max Air Flow**	M3/h	200
Filter Surface	cm2	20000
Filter efficiency	CAT BIA Micron	L/G >3
Air Load on filter	M3/M2/h	100
Capacity	Lt.	45
Suction inlet	Ø mm	80
Noise level	dB	72
Protection	IP	55
Insulation	CI	F
Dimensions	cm	46x58
Height	cm	160
Weight	Kg	70



* Measured with fully closed suction inlet

** Measured with fully open suction inlet

Suction Unit

The suction is provided by a suction unit of the side channel blower type, with direct coupling between the fan and the motor shaft and no transmission system. It is thus completely maintenance free, fit for round-the-clock 24 hours duty, very silent and provides outstanding suction performances; a safety thermic switch cuts off the motor in case of overheating. The control board includes a switch (protection IP65), and a safety emergency stop button. A vacuum indicator enables constant checking of the suction performance, and to detect possible clogging of the filter.

Filter Unit

The filter is placed and protected inside the steel filter chamber; the filter is made of polyester, tailored with pockets in order to increase the filter surface (20.000 cm²), and has a high filtration efficiency (3 micron). A manual filter shaker enables the user to clean the filter efficiently, by a vertical shaking movement, so as to detach most of the dust and maintain the filter clean, in order to increase its life and maintain the suction performance of the machine. The frontal aluminium die-cast suction inlet (Ø80 mm. diameter), placed below the filter, makes it possible to vacuum at the same time dust, solid and liquid material (the latter only within the capacity of the container),

with no need to change or take out the filter.

Collection unit

The vacuumed material is placed inside a drop-down bin mounted on wheels (45 litres capacity), which makes it possible to dispose easily and safely of the sucked material, that can be collecting directly into a plastic bag.

The vacuum is mounted on a sturdy steel chassis with two pivoting wheels, one of which with brakes; all metal parts of the vacuum are epoxy painted

Options:*

Application	Code	Description
Very fine dust	A	Absolute filter (BIA certified) with 99,999% efficiency on dust as small as 0,3 micron
Fine dust	C	1 micron efficiency, with TÜV conformità certificate for the suction of dust classified as "M" (fine dust)
Corrosive dust and material	X	Stainless steel container AISI304
Corrosive dust and material	XX	Stainless steel container and filter chamber AISI304

* Different combinations of the above options are possible (e.g. ACX , vacuum with Absolute filter, 1 micron pocket filter and stainless steel container)

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