

# Industrial vacuum cleaners



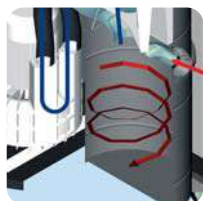
The complete range of industrial vacuum cleaners  
for resolving all suction needs

 **FIMAP**<sup>®</sup>  
*Italian customized cleaning*

# The plus factors that characterise the Fimap industrial vacuum cleaners



Manual shaker



Cyclone cone



Tangential inlet nozzle



Releasable trolley tank



Wide-surface radial filter



Mechanical float filter

## All the models are fitted with:

- **A manual, electric or pneumatic shaker\***

The shaker is important to facilitate the cleaning of the filtering apparatus without opening the vacuum cleaner. Apart from the models fitted with a manual shaker, there are also those with an electric one (version SE) and others with an automatic electric shaker (version SEA). With this function, by setting the shaker cleaning in automatic mode the vacuum cleaner carries out the operation autonomously, so there is no need to continuously check the operation.
- **Cyclonic cone\*\***

This is fundamental for reducing the work time, allowing you to pass from the suction of liquids to that of solids, or both types simultaneously (e.g. when removing machining residues where liquid refrigerants are also present).
- **Tangential inlet nozzle\*\*\***

This improves suction quality and the lifespan of the filter, extending its working life and safeguarding it from both damage and obstruction.
- **Releasable trolley tank\*\*\*\***

Its ergonomics and easy-to-use form facilitate the moving and emptying of the recovery tank.
- **Wide-surface radial filter\***

The use of wide-surface radial filters, combined with the effectiveness of the shaker system, reduces work interruptions; this means the operator's productivity level is increased. For certain vacuum cleaner models, the filters can also be supplied in M, antistatic, heatproof and HEPA versions upon request.
- **Mechanical float**

Available upon request, as an optional; easy to install. Characterised by its ease of use when removing liquids, and also ensures the maximum reliability and safety for the operator, interrupting suction at the highest permitted level and therefore safeguarding the suction motor.

APART FROM: \*models INV30S - \*\*models INV1.25, INV30 S, INV T60 TSP - \*\*\*models INV1.25, INV30 S, INV30 SS, INV40 ON ATEX22 - \*\*\*\*models INV30 S, INV30 SS only releasable





## Standard accessories available upon request

STANDARD KIT Ø40



EXTRA KIT Ø40



STANDARD KIT Ø50



EXTRA KIT Ø50



ANTISTATIC KIT Ø40



ANTISTATIC KIT Ø50



STANDARD KIT FOR OVENS Ø40









EXTRA KIT FOR OVENS Ø40



The vacuum cleaners are supplied as standard with a reduction of Ø 70-50

The Fimap vacuum cleaners are produced as standard with painted tanks (apart from models INV1.25, INV1.30, INV2.30, INV1.50, INV2.50, INV30 S, INV30 SS, INV40 ON ATEX22), but a stainless steel version is available upon request.



PROFESSIONAL LINE									
	Dust	Liquids	Tank material	Cyclonic system	Shaker	Standard filters	Filters on request	Machine dimensions mm L x H x W	Weight kg
INV1.25	•	-	Stainless steel	-	Manual	Radial polyester	Class M, Antistatic, Heatproof	510x1080x510	21
INV1.30 INV2.30 INV1.50 INV2.50	•	-	Stainless steel	•	Manual	Radial polyester	Class M, Antistatic, Heatproof	660x1220x620 660x1220x620 660x1360x620 660x1360x620	31 33 35 37
INV2.40 INV3.40	•	-	Painted	•	Manual	Radial polyester	Class M, H, Antistatic, Heatproof	830x1220x590 830x1220x590	60 62
INV2.60 INV3.60 INV3.100	•	•	Painted	•	Manual	Radial polyester	Class M, H, Antistatic, Heatproof	920x1400x660 920x1400x660 660x1590x660	80 82 86
INV2.60 SE INV3.100 SE	•	•	Painted	•	Electric	Radial polyester	Class M, H, Antistatic, Heatproof	920x1270x660 920x1460x660	98 108
INV2.60 SEA INV3.100 SEA	•	•	Painted	•	Electric Automatic	Radial polyester	Class M, H, Antistatic, Heatproof	920x1270x660 920x1460x660	98 108
INV30 ON.60 INV30 ON.100	•	•	Painted	•	Manual	Radial polyester	Class M, H, Antistatic, Heatproof	920x1530x660 920x1720x660	96 103
INV30 S	•	•	Stainless steel	-	-	Polyester	Class M, Anticalore	1200x1010x610	85
INV30 SS	•	-	Stainless steel	•	Manual	Radial polyester	Class M, Heatproof	1200x1330x610	87
INV40 ON.60 INV40 ON.100	•	•	Painted	•	Manual	Radial polyester	Class M, H, Antistatic, Heatproof	920x1530x660 920x1720x660	96 103
INV40 ON ATEX22	•	-	Stainless steel	•	Manual	Radial antistatic	-	920x1720x660	103
INV40 INV75 INV75 S	•	•	Painted	•	Manual	Radial polyester	Class M, H, Antistatic, Heatproof	1240x1610x660 1240x1610x660 1240x1610x660	125 145 150
INV40 SEA INV75 SEA INV75S SEA	•	•	Painted	•	Electric/Automatic	Radial polyester	Class M, H, Antistatic, Heatproof	1240x1490x660 1240x1490x660 1240x1490x660	125 145 150
INVT60 TSP	•	-	Painted	-	Pneumatic	Cartridge	Antistatic	1240x1610x660	105
INV100 T SEA INV150 T SEA	•	-	Painted	•	Mechanical vibrating	Cartridges	-	1710x2390x900 1710x2390x900	440 460



# Industrial Vacuum Cleaners

## INV1.25

INV1.25 is a single-phase vacuum cleaner suitable for using on light dusts. The capacity of the trolley container, along with the dimensions of the filter and external shaker, make this the most compact model of the family of industrial vacuum cleaners, despite using the same accessories (40mm diameter) as the line of commercial vacuum cleaners.

## INV2.40/3.40

INV2.40/3.40 are single phase vacuum cleaners suitable for using on medium-heavy dusts. The container capacity of 40 litres is recommended when the dust particles are not large.

Depending on the required use, you can choose between the 2- and 3-motor versions. These are suction units that are particularly suitable for use in the car wash sector. Upon request, they can be fitted with filters of class M, antistatic, heatproof, and H. The considerable filtering surface (2m<sup>2</sup>) and the notable air flow rate mean you can work with even large quantities of dust.

The possibility to install numerous accessories makes these vacuum cleaners extremely versatile and therefore suitable for different types of use.

## INV1.30/2.30 – INV1.50/2.50

INV1.30/2.30 and INV1.50/2.50 are single phase vacuum cleaners suitable for using on light dusts.

They have a sturdy yet light frame that makes them easy to move. These vacuum cleaners are available with one or two motors. Depending on your particular suction requirements, you can choose a model with 30- or 50-litre capacity container.

The possibility to install the suction cup accessory allows suction on large surfaces too.

## INV2.60/3.60 – INV3.100

INV2.60/3.60 and INV3.100 are single phase vacuum cleaners for dusts and liquids; thanks to their sturdiness, mobility and performance they are the "Best Sellers" of the entire range, and can be used in applications that demand the most from a single phase unit.

It is possible to choose from trolley tanks of 60 and 100 litres, with 2 or 3 motors. Upon request, filters in class M, antistatic, heatproof and H can be assembled.



 INV1.25



 INV1.30/2.30



 INV1.50/2.50



# Single-phase



INV2.40/3.40



INV2.60/3.60



INV3.100



INV2.60

## INV2.60 SE/SEA - INV3.100 SE/SEA

INV2.60 SE/SEA and INV3.100 SE/SEA are single-phase vacuum cleaners for dusts and liquids; they are characterised by the possibility of greater control of the outlet air, and greater practicality during maintenance operations.

They are available in SE configurations, with an electric shaker activated by means of a button, and SEA with the addition of a sophisticated filter cleaning system. The versions with automatic electric shaker (SEA) have 3 working modes:

**Automatic mode:** when the filter becomes less efficient, motor operation is automatically interrupted and a 20-second filter cleaning cycle begins. When the cycle has ended, the motors will restart automatically.  
Or:

**Manual mode:** with the motors switched on, press the shaker button to interrupt motor operation and begin a 20-second filter cleaning cycle. When the cycle has ended, the motors will restart automatically.

**Semi-automatic mode:** every time all the motors are switched off, a 20-second filter cleaning cycle begins automatically. Upon request, filters in class M, antistatic, heatproof, H and a mechanical/electronic float can be assembled on these suction units. In addition, they can be fitted - upon request - with HEPA cartridge filters (essential for removing micro-dust) for the inlet air, the outlet air from the tank, and the motor cooling air.



INV3.100 SE/3.100 SEA

## INV30 ON.60/100

INV30 ON.60/100 are single phase suction units with turbine, essential for continuous cleaning operations involving dust, flours, chips of every type and liquids of varying densities.

You can choose the 60- or 100-litre version with tanks. The vertical form allows these suction units to be used even in reduced spaces where a powerful, continuous suction is required. They are also highly practical when it comes to moving. The turbine with silencer guarantees a good acoustic level. Upon request, filters in class M, antistatic, heatproof, H and a mechanical/electronic float can be assembled. The suction power and reliability of these vacuum cleaners are ensured by the turbine with its side channels.



INV30 ON.60/100

SE/2.60 SEA

## INV30 S/SS

INV30 S/SS are powerful industrial vacuum cleaners. They are fitted with a three-phase co-axial turbine in die-cast aluminium. Reliable, and designed for continuous heavy-duty use. They are designed for continuous heavy-duty use, they are recommended for car washes and the ceramic, chemical, mechanical and textile sectors. They are ideal for removing dust, flours, chips and liquids of varying densities. The SS version is fitted with a radial filter as standard, and is referred to as a vacuum cleaner for dusts, while the S version can work on both dusts and liquids. Upon request, class M and heatproof filters can be assembled on both models. For a more demanding clientele, it is possible - upon request - to have a silencer in order to work with reduced noise levels. They can also be used as a blower.



## INV 40 ON.60/100

INV 40 ON.60/100 are three-phase vacuum cleaners with a sturdy frame; thanks to the good depression values and air flow rates, they can be used for a multitude of applications. By adding the radial filter of 19,500cm<sup>2</sup>, the cyclone cone and the tangential nozzle, they can work on dusts and/or liquids with a high power level guaranteed by the positioning of the turbine in direct contact with the filtering system. They are highly reliable and have been designed for continuous heavy-duty use: they are recommended for the agroindustrial, ceramic, chemical, mechanical and textile sectors. You can choose the 60- or 100-litre version with trolley tanks. Their vertical form allows them to be easily moved, even in reduced spaces.



  INV30 S



 INV30 SS



  INV



# Three-phase

## INV40 ON Atex22

INV40 ON Atex22 is a certified vacuum cleaner for use in areas where the maximum operating safety is required. It has been designed to work on dust with a potentially low explosion risk (Potentially explosive areas classified as Zone 22).

They can therefore be used for cleaning ovens, in the chemical/pharmaceutical sector, in mills, etc.

## INV40/75/75 S/SEA

INV40/75/75 S/SEA are very powerful three-phase vacuum cleaners with the turbine installed in a rear compartment. Their considerable size does not facilitate movements so they are best suited to environments where they can be used in a fixed position.

They have been designed with a particularly sturdy frame that makes them remarkably solid. The material sucked in by the cyclone effect tends to deposit on the floor of the container, while the finer dust particles contained in the mixture settle on the filtering surface that captures them.

Despite having the same power characteristics, INV75 and INV75 S are targeted at different types of use; in particular, model INV75 favours the air flow so accessories with a large diameter can be used on it, while model INV S has a notable depression so it is ideal for especially heavy-duty residues. The SEA versions have the same performance levels and the same characteristics as the normal models, but they are fitted with an especially attentive filter cleaning system. They have an automatic electrical shaker and have 2 working modes:


**Automatic mode:** After every 20 minutes of uninterrupted operation, the device stops automatically and a 20-second cleaning cycle begins. When the cycle has ended, the device will restart automatically. Or:

**Manual mode:** With the turbine operating, press the shaker button to interrupt turbine operation and begin a 20-second filter cleaning cycle. When the cycle has ended, the turbine will restart automatically. Version 75 S offers the possibility to work with 2 operators simultaneously.




INV40 ON.60/100



 INV40 ON Atex22



  INV40/75/75 S - INV40/75/75 S SEA





## INV T60 TSP

INV T60 TSP is a vacuum cleaner designed for use on large quantities of very fine dust (e.g. cement) that tends to clog the filters in a short time. The presence of a cartridge filter and a pneumatic shaker guarantees excellent working autonomy. INV T60 TSP offers the possibility to work with 2 operators simultaneously. In this way, cleaning times are halved so productivity is automatically doubled.



Vacuum gauge



INV T60 TSP

## INV100 T SEA - INV150 T SEA

INV100 T/150 T SEA are vacuum cleaners used for applications requiring top performance levels on large quantities of material and residue. The considerable dimensions mean that these units should be used in a fixed position, or at least with very limited movements. 7 filtering cartridges guarantee an overall suction surface of 85,000cm<sup>2</sup>, while the vibrating shaker system ensures the filter unit is fully cleaned. These units are recommended for especially heavy-duty operations. They resolve heavy dirt situations with excellent cleaning results.



### Separator

The tangential nozzle, with its large diameter (120mm), creates the ideal conditions for working with the separate dust collector (separator). In this way, it is possible to take in large quantities of dirt while notably increasing the work productivity and halving the work time.



INV100T/150T/SEA



# Fimap's industrial vacuum cleaners.

Innovative and functional, they help you to resolve any vacuuming requirements in the industrial environment.

The Fimap industrial vacuum cleaners are a complete line of mobile devices able to suck in both small and large quantities of liquids and solids.

They have been designed for particularly taxing operations as well, allowing the intake material to be quickly emptied.

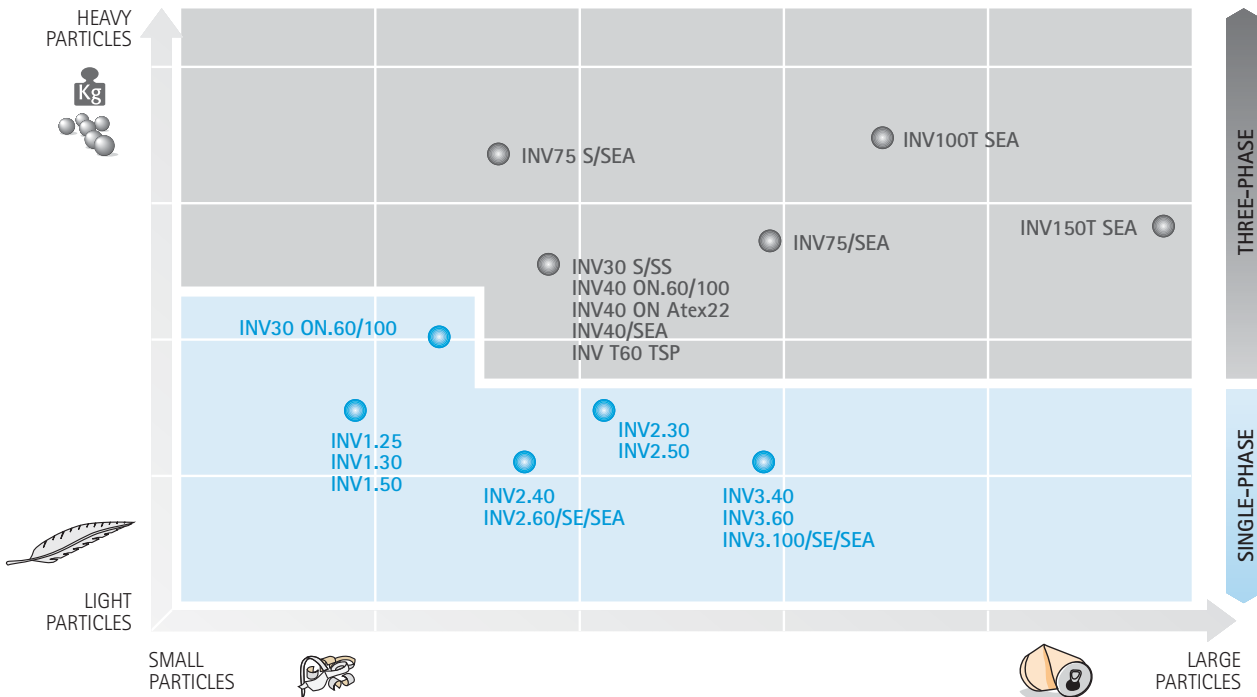
Easy to handle, powerful, quiet, with single or three-phase power supply, these vacuum cleaners are the ideal equipment for removing dusts, solids or liquids in every situation.

The vast range of accessories allows you to customise each single vacuum cleaner, adapting it to even the most difficult suction needs.

The table below guides the user in choosing the most suitable unit model for his own specific requirements. It's clear that for intermittent operations, a single phase vacuum cleaner is sufficient; for the continuous removal of heavier dirt however, or where greater power is necessary in order to reduce the work times, the use of a three-phase model is recommended.

In addition, it's very important to identify the precise model suitable for the type of suction required: Fimap gives you a choice of models that remove dust only, or those that can handle dust and liquids simultaneously.

Table for choosing the industrial vacuum cleaner that's most suitable for your needs





		SINGLE-PHASE INDUSTRIAL VACUUM CLEANERS															THREE-PHASE INDUSTRIAL VACUUM CLEANERS										
		INV1.25	INV1.30	INV2.30	INV1.50	INV2.50	INV2.40	INV3.40	INV2.60	INV3.60	INV3.100	INV2.60 SE	INV3.100 SE	INV2.60 SEA	INV3.100 SEA	INV30 ON.60	INV30 ON.100	INV30 S	INV30 SS	INV40 ON.60	INV40 ON.100	INV40 ON AteX22	INV40/75/75 S	INV40/75/75 S SEA	INV T80 TSP	INV100T SEA	INV150T SEA
<b>KITS TO BE USED UPON REQUEST</b>																											
Standard	Ø40 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Extra	Ø40 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Standard	Ø50 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Extra	Ø50 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Antistatic	Ø40 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Antistatic	Ø50 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Standard ovens**	Ø40 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Extra ovens**	Ø40 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>KEY:</b>																											
• Kits upon request																											
* Can be used with side branch 120/50/50																											
** With heatproof filters																											
<b>TECHNICAL CHARACTERISTICS</b>																											
DC motors (qty)	-	1	1	1	1	1	3	2	3	3	2	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbines (qty)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	2
Stages (qty)	-	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	
Power	KW	1,3	1,3	2,7	1,3	2,7	2,2	3,3	2,2	3,3	3,3	2,2	3,3	2,2	2,2	2,2	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,9	8	11
Suction vacuum	kPa	25	25	25	25	25	22	22	22	22	22	22	22	22	30	30	32	32	32	32	32	32	32	32	32	42	32
Air flow	m³/h	212	212	425	212	425	389	583	389	583	583	389	583	389	583	300	300	350	350	350	350	350	350	350	350	720	1140
Tank capacity	l	25	30	30	50	50	40	40	60	60	100	60	100	60	100	60	100	80	50	60	100	100	100	100	100	170	170
Filtering surface	m²	0,7	1,3	1,3	1,3	1,3	1,95	1,95	1,95	1,95	1,95	1,95	1,95	1,95	1,95	1,95	1,95	0,43	0,7	1,95	1,95	1,95	1,95	1,95	1,95	8,5	8,5
Diameter of suction mouth	mm	50	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	120	120
IP protection rating	IP	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4	X4

For any additional information or for a demo please contact your usual Fimap dealer

Dealer's stamp

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