

# PO Dedust Remover

## *Description*

The Catinet automatic carpet dust remover is designed to deeply remove dust, sand and other loose particles accumulated inside the carpet before washing. The equipment consists of two main systems: a vibrator that shakes the carpet by horizontal cylinders and a powerful suction system that collects the impurities that have been released. Thanks to the control of the beating intensity, the machine can work with standard carpets as well as with very delicate parts, without the risk of damaging them. The carpet enters and exits on the same side, which allows the machine to be installed next to a wall and save space on the floor. At the end of the process, the carpet is automatically rolled up, so that once manually inserted, the rest of the cycle is fully automatic.



## Pros

- **100% AISI 304 stainless steel structure**, which guarantees high durability, maximum hygiene and excellent resistance to corrosion in intensive environments.
- **Maximum operational safety**, designed to meet the highest standards of occupational and industrial safety and protect the operator.
- **High performance and reliability**, ensuring continuous operation and always homogeneous draining results.
- **Reduced electricity consumption**, with savings of more than 20%, optimising energy and reducing environmental impact.
- **Minimal maintenance**, which reduces downtime and service costs over the entire service life.
- **Lower total cost of ownership (TCO)** thanks to the combination of energy efficiency, low maintenance and long durability of the Components.



## Features

- Remove dust, sand and loose dirt by means of a controlled vibration system, based on horizontal beater cylinders or rollers that work at high frequency.
- Vacuum the impurities released with a high-power suction system, consisting of fan, filter and dust tank, guaranteeing a deep cleaning.
- Allow work even with delicate carpets, regulating the beating frequency and feed speed to adapt the impact to the type of fabric.



- Bring the carpet in and out from the same side, making it possible to install the machine against the wall and reducing the necessary work surface.
- Automatically roll up the carpet at the end of the process, preventing it from “escaping” on the floor and facilitating its subsequent handling.
- Adjust the vibration and feed speed of the mat, as well as reverse the feed direction (forward/backward) for greater flexibility of use.
- Always keep the process visible thanks to a transparent top cover, which allows the operator to monitor the beating and suction.
- Ensure comfortable operation by push-button start-stop and automatic filter cleaning system every time the machine stops.
- Ease of maintenance, with a dust tank that can be removed by means of a practical lever system and an easily replaceable long-life filter.

## Requirements



- Adequate power supply according to the machine configuration, to power the motors and the automatic control system.
- Compressed air supply for the operation of the pneumatic elements associated with the system.
- Level and resistant support surface, without the need for special foundations, thanks to the integrated vibration damping system.

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Technical data	PO SIMPLE	PO 322	PO 422
Max Carpet wide	3.0 m	3.2 m	4.2 m
Productivity of carpets (m <sup>2</sup> )	50 m <sup>2</sup> /h	100 m <sup>2</sup> /h	100 m <sup>2</sup> /h
Productivity (carpets by the hour)	12	25	25
Shaking frequency	450 c/min	900 c/min	900 c/min
Advance speed (min)	0.25 m/min	0.25 m/min	0.25 m/min
Advance speed (max)	2.00 m/min	2.00 m/min	2.00 m/min
Vacuum cleaner air flow	15 m <sup>3</sup>	40 m <sup>3</sup>	40 m <sup>3</sup>
Filter area	4 m <sup>2</sup>	22 m <sup>2</sup>	22 m <sup>2</sup>
Capacity dust collected	40 L	80 L	80 L
Voltage (V)	3 x 400V	3 x 400V	3 x 400V
Power supply	3.75 kW	3.75 kW	3.75 kW
Dimensions Vibrator Long	3.20 m	3.50 m	4.50 m
Dimensions Vibrator Wide	1.0 m	1.0 m	1.0 m
Dimensions Vibrator Height	1.2 m	1.2 m	1.2 m
Filter dimensions Long	0.55 m	0.76 m	0.76 m
Filter dimensions Wide	0.80 m	0.76 m	0.76 m
Filter dimensions Height	1.85 m	2.94 m	2.94 m
Weight	550 Kg	850 Kg	900 Kg
Material	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304