

# NOVABLAST

## NOVAVAC VACUUM UNITS



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## NOVAVAC 15 - VACUUM UNIT



NovaVac is a compact industrial vacuum cleaner designed for the suction of dust and granular materials. It combines compactness with storage capacity, without the need for additional separators.

NovaVac is equipped with a 0.5 m<sup>3</sup> hopper with an electro-vibrator and can be emptied through a gravity discharge system that activates with each automatic filter cleaning cycle. NovaVac can be fitted with various discharge systems, including manual, pneumatic, or automatic control upon shutdown.

The main feature of the NovaVac line is the presence of retractable telescopic legs, which not only make the vacuum cleaner compact and easy to move but also allow for the easy attachment of a Big-Bag for storing the filtered material.

### TECHNICAL FEATURES NOVAVAC 15 - VACUUM UNIT

	Electric	V 400	Hz 50
Power		kW/HP 15/20	
Airflow Rate		m3 1100	
Maximum Depression		mm H2O 3500	
Pump		Side channels	
Primary Filter Surface With Spacers		m2 10	
Material Of Filter Sleeves	polyester		g/m2 550
Safety Cartridge Surface		m2 4	
Pocket Clearing Type		Programmable automatic wash control	
Tubes To Be Used		mm 100-80	
Noise Level		< dBA 75	
Hopper Volume		m3 0,5	
Dimensions Of Automatic Discharge Valve		Dn. mm 250	
Wall Plug And Socket		CE 3P+T 32A	
Internal Auxiliary Compressor		For wash control command	

### TECHNICAL FEATURES NOVAVAC 16 - VACUUM UNIT

	Electric	V 400	Hz 50
Power		kW/HP 16,5/22,5	
Airflow Rate		m3 1100	
Maximum Depression		mm H2O 4000	
Pump		Side channels	
Primary Filter Surface With Spacers		m2 10	
Material Of Filter Sleeves	polyester		g/m2 550
Safety Cartridge Surface		m2 4	
Pocket Clearing Type		Programmable automatic wash control	
Tubes To Be Used		mm 100-80	
Noise Level		< dBA 75	
Hopper Volume		m3 0,5	
Dimensions Of Automatic Discharge Valve		Dn. mm 250	
Wall Plug And Socket		CE 3P+T 32A	
Internal Auxiliary Compressor		For wash control command	

### TECHNICAL FEATURES NOVAVAC 18 - VACUUM UNIT

	Electric	V 400	Hz 50
Power		kW/HP 18,5/25	
Airflow Rate		m <sup>3</sup> 1150	
Maximum Depression		mm H <sub>2</sub> O 4100	
Pump		Side channels	
Primary Filter Surface With Spacers		m <sup>2</sup> 10	
Material Of Filter Sleeves	polyester		g/m <sup>2</sup> 550
Safety Cartridge Surface		m <sup>2</sup> 4	
Pocket Clearing Type		Programmable automatic wash control	
Tubes To Be Used		mm 100-80	
Noise Level		< dBA 75	
Hopper Volume		m <sup>3</sup> 0,5	
Dimensions Of Automatic Discharge Valve		Dn. mm 250	
Wall Plug And Socket		CE 3P+T 32A	
Internal Auxiliary Compressor		For wash control command	

### TECHNICAL FEATURES NOVAVAC 20 - VACUUM UNIT

	Electric	V 400	Hz 50
Power		kW/HP 20/27	
Airflow Rate		m <sup>3</sup> 1200	
Maximum Depression		mm H <sub>2</sub> O 4500	
Pump		Side channels	
Primary Filter Surface With Spacers		m <sup>2</sup> 10	
Material Of Filter Sleeves	polyester		g/m <sup>2</sup> 550
Safety Cartridge Surface		m <sup>2</sup> 4	
Pocket Clearing Type		Programmable automatic wash control	
Tubes To Be Used		mm 100-80	
Noise Level		< dBA 75	
Hopper Volume		m <sup>3</sup> 0,5	
Dimensions Of Automatic Discharge Valve		Dn. mm 250	
Wall Plug And Socket		CE 3P+T 32A	
Internal Auxiliary Compressor		For wash control command	

**The frame is made of welded sheet metal, reinforced to withstand the vacuum. It is coated with sound-absorbing material to reduce noise. Several openings provide access to the internal components:**

- Maintenance-free side channel blower
- Three-phase electric motor
- Safety valve
- Safety cartridge filter
- Star-delta starting system
- Air silencers
- Electrical panel
- "Reverse Flow"® cleaning system
- HEPA filter
- Special internal coating for parts in contact with dust
- Stainless steel filter support
- PTFE filter bags
- Level probe (on request) that stops the machine when the maximum hopper level is reached.

### **Filter Chamber:**

The air/material mixture enters the filter chamber at the bottom, where the heavier dust settles. The lighter dust is directed to the polyester pockets, where it is trapped. Inspection and maintenance are simple as the pockets can be removed from the top of the machine. The pocket filter provides a large filtration surface (an internal panel and springs keep the pockets fully stretched), resulting in a very low airspeed. The pockets are cleaned via a reverse airflow system, with manual control. For the ATEX version, the compressor is not supplied. Air must be supplied by the customer.

### **Safety Cartridge Filter:**

The safety cartridge has a surface area of 4 m<sup>2</sup>. It is installed with the blower facing upward to prevent particles from entering the lobes housing, which could cause damage.

### **Integrated 0.5 m<sup>3</sup> Hopper:**

Made of welded steel, it is fixed and can be moved using a forklift. The hopper includes an integrated retractable leg system with a support for a Big-Bag. A level probe can be installed upon request to shut off the machine when the maximum level is reached.

### **Electrical Panel:**

Compliant with CE standards, with mechanical protection IP 54, and includes:

- Buttons – Start – Stop – Current meter for cleaning
- Indicator lights
- Safety devices: Thermal switches for electric motors