

# Inverter Monoblock Unit mod. 238TA

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Year 2025

**Technical Sheet**  
generaldaspirazione.com





Deep Hygiene



Silent



Safe



Eco Friendly



Practical



Versatile

# Inverter monoblock unit mod. 238TA.

**Users:** 2 simultaneous operators

**Work Area:** 1000-2000 m<sup>2</sup>

Advanced technology and high-level performance are enclosed in a single compact unit, combined with reduced energy consumption thanks to the inverter system.

The turbine's output and corresponding power consumption continuously adjust based on the type of surface being cleaned and the number of operators using the system, enabling energy savings of up to 50%.

**Installation:** Easy to install thanks to the self-supporting frame with adjustable feet. Simply place the unit in the designated room, connect the air inlet and outlet pipes, plug it into a socket, and the central unit is ready to be used.

**Power On/Off:** Standard configuration allows connection to the low-voltage line of the vacuum inlets. Alternatively, it can be connected to the patented IWS system, enabling remote control via the wireless handle, with no low-voltage wiring required between the various vacuum inlets.

**Side-Channel Vacuum Turbine:** Placed in a soundproofed upper section of the monoblock unit. Wide modulation range from 30 to 86 Hz. The turbine is coupled with a brushless electric motor (no sliding parts), requiring no maintenance. Double impeller for increased stability. Average life: approximately 40,000 hours.

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**Inverter Management:** The turbine's performance and power consumption continuously adapt to the kind of surface being cleaned and the number of simultaneous users using the system, resulting in energy savings of up to 50% and an extended lifespan of the suction unit.

**Pressure Transducer:** Integrated sensor for real-time depression monitoring.

**Self-Cleaning filter:** Equipped with an electro-pneumatic self-cleaning system with programmable rimings, dedicated compressor and air tank. The filter is kept clean by jets of compressed air along its internal surface, freeing it from dust which then falls into the dust bag. Ensures constant vacuuming performance, restricting the maintenance times. Washable polyester filter.

**Removing of dust container:** Quick-release handle of dust container removal with wheels.

**Main switch:** switch for protection and power supply of the unit.

**Two frontal quick buttons:** One for maintenance reset; one for manual self-cleaning filter.

· Galvanized steel components for the air exhaust line included in the packaging:

· 1 Steel silencer Ø80 for exhaust noise reduction

· 1 Steel elbow MM 90° Ø80

· 1 MM reducer Ø80-63

· 2 Sleeve FF Ø100

Also included: 2 rubber sleeves Ø63 with 4 metal clamps and 1 dust collection bag.

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**Display LCD Panel:** A user-friendly interface that allows intuitive visualization of the Monoblock Unit's parameters and settings (inverter, self-cleaning, maintenance, and alarms), with customizable favorites and self-cleaning times based on the final user needs. The panel can also be remoted via UTP Cat. 5e RJ-45 cable.



## Technical information.

Technical data		Mod. 238TA
Users*		2
Work area	m <sup>2</sup>	1000-2000
Self-cleaning		YES
Inverter		YES
Soundproof box for turbine		YES
Metal Silencer for air exhaust		YES
Dimensions		
Container capacity	l	90
Diameter	cm	Ø46
Filter Surface Area	m <sup>2</sup>	2
Inlet/Outlet Diameter	mm	Ø63
Height	cm	179
Width	cm	65
Depth	cm	72,5
Weight	kg	124
Performance technical data		
Operating airflow at 160 mbar	m <sup>3</sup> /h	340
Maximum Airflow	m <sup>3</sup> /h	460
Operating Vacuum – Setpoint	mbar	160
Maximum operating vacuum setting	mbar	230
Maximum vacuum	mbar	400
Maximum noise level**	dB A	62,5
Electrical technical data		
Motor power	Kw	3,8
Power supply	V	380
Supply frequency	Hz	50/60
Current draw	A	9,7
Motor thermal protection		YES
Overcurrent protection		YES
Maximum frequency	Hz	86
Protection rating		IP20
Electrical insulation		

\*The number of operators may vary depending on the type of application

\*\*Noise level measured in accordance with UNI EN ISO 3744 standard

General D'Aspirazione  
Since 1974 pioneers in the Italian market  
in centralized vacuum cleaning sector.



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### OPTIONAL

**BMS Interface:** Ready to be equipped with a four-output relay module allowing connection to the building's BMS to receiving signals such as motor ON, general fault, container monitoring, and filter control.



**Vortex Pre-Separator:** Keeps over 98% of vacuumed dust through cyclonic motion, without any internal filter to clean. Protects the vacuum unit, significantly improving self-cleaning performance in environments with large quantities of fine dust. Can be integrated into existing systems and it is recommended where fine dusts are prevalent.

**Vortex Pre-Separator with automatic discharge:** Maintains all features and benefits of the standard Vortex, with the addition of an automatic discharge system. Ideal for vacuuming large volumes of material where collected product needs to be directed into dedicated containers. Support frame customizable to specific needs.

## General D'Aspirazione

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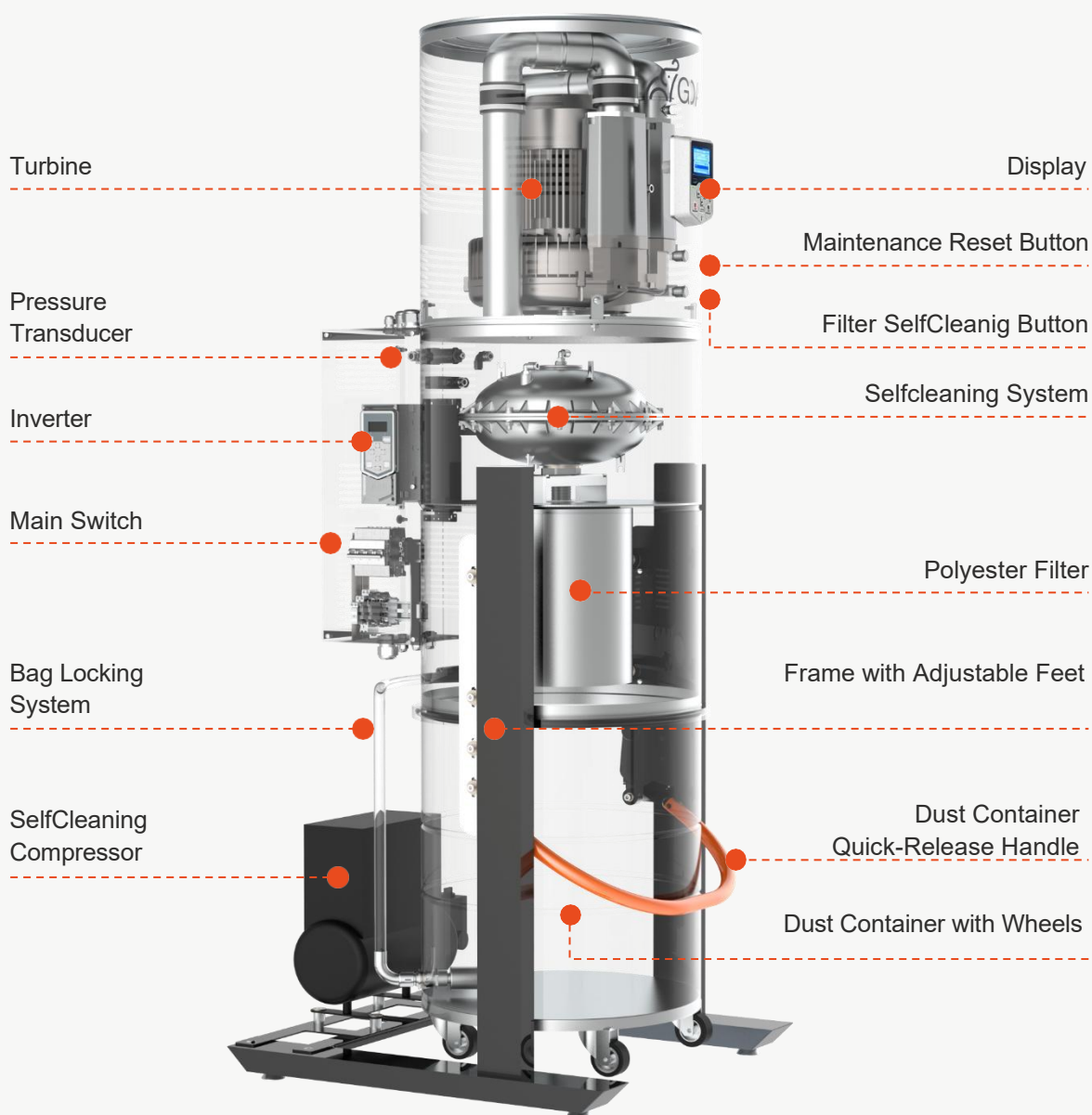


Pre-Separator Vortex



With Automatic Discharge







OLK/



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