W3 Infini Z22 ATEX vacuum cleaner for combustible fine dust

INDUSTRIAL VACUUMS





- Compact and portable industrial vacuum cleaner.
- 100% steel construction.
- Simultaneous vacuuming of dust, liquids and solids.
- Compliance to EN IEC 62784:2018 for zone 22

Suction Unit		
ATEX Zones		Zone 22 Powders
Power supply	V - Hz	400 - 50 ~ 3
EX Category		CE EX 22 1/3D
Power	kW	2,5 - 4,6
Maximum depression	mmH2O	2.200 - 2.600
Maximum air flow rate	m3/h	320 - 420
Electrical protection	IP	65
Noisiness (EN ISO 3744)	dB(A)	73
Marking		II 3D Ex h tc IIIC T80°C (int) / T165°C (ext) XDc
Filter Unit		
Primary filter		Pockets
Surface area - diameter	cm^2-mm	20.000 - 420
Total filter surface area	cm^2	26.000
Filter media - class	IEC 60335-2-69	Polyester ANT M
Cleaning system		Handbook
Collection unit		
Capacity	lt	65
Collection container		Stainless Steel AISI304
Encumbrances		

APPLICATIONS: General housekeeping | Food, chemical and pharmaceutical industry | Glass | Mechanical industry

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www.dupuyvacuums.com
info@dupuy.it

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SUCTION UNIT

The suction unit is a high-performance side channel blower, with direct coupling between the motor shaft and the impeller. Since it has no transmission systems, it requires no routine maintenance and is suitable for long term continuous operation. The control panel consists of a start/stop push-button panel and magnetic circuit breaker. A vacuum gauge allows constant monitoring of the vacuum level and filter saturation status. A double silencer reduces noise and dampens the impact of the outgoing air. The turbine is equipped with a pressure relief valve.

FILTER UNIT

The antistatic polyester stellar filter, placed inside the filter chamber, guarantees a large filtering surface area and high resistance to dust passage and clogging.

The filter can be cleaned by means of the integrated mechanical cleaning system: an external filter shaking lever shakes the filter with a vertical movement, ensuring an effective and safe cleaning action, maintaining constant suction power and preventing the dispersion of dust into the environment.

COLLECTION UNIT

The steel container is equipped with a quick release system that allows for quick disposal of the vacuumed material.

OPTIONALS

- Local remote start-up
- Ptfe-treated filter class m
- Hepa absolute filter /h14
- Pressure relief valve
- Antistatic filter class m
- Hydro-oleophobic filter class m
- NOMEX heat-resistant filter up to 200°C
- Earthing
- Stainless steel chamber

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