

# 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 <sup>2</sup> -mm | 20.000 - 420    |
| Total filter surface area | cm <sup>2</sup>     | 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

|            |    |                   |
|------------|----|-------------------|
| Dimensions | mm | 1000 x 620 x 1075 |
|------------|----|-------------------|

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



All data mentioned in this document may change without notice.  
Tutti i dati in questo documento potrebbero variare senza preavviso.

[www.dupuyvacuums.com](http://www.dupuyvacuums.com)  
[info@dupuy.it](mailto:info@dupuy.it)

# W3 Infini Z22 ATEX vacuum cleaner for combustible fine dust

INDUSTRIAL VACUUMS

## 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
- ✓ Ptfе-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