

## W2 Z22 MDI

Industrial vacuum cleaner  
ATEX certified for zone 22



### Suction unit

The motor head is equipped with a Brushless motor: the lack of carbons allows the use of the machine even in explosive hazardous areas. The motor is protected by a series of filters and it is turned on by an independent switch placed on a soundproofed and robust metal motor head.

The motor head includes a vacuum gauge and tension power lights as standard.

### Filter unit

It is possible to clean the filter using an integrated mechanical system: an external lever shakes the filter vertically and enables to clean the filter thoroughly and safely, maintaining constant suction performance and preventing any dispersion of dust in the environment. The large surface star antistatic filter, located inside the filter chamber, is made of polyester and provides high resistance against clogging and passage of fine dust.

### Collection unit

The bin includes a liquid bath inertizing system, which makes it possible to prevent fires/explosions due to the presence of flammable powders, such as aluminum or titanium.

The suitable liquid must be used depending on the type of explosive powder. The bin includes a fast locking stainless steel deflector, a PPL separation filter to reuse oil for the next cycle of cleaning and a demister to prevent the oil mist being sucked into the main filter. An overpressure valve prevents the risk of buildup of explosive gas inside the

\* Il costruttore si riserva il diritto di modificare dati e caratteristiche indicate senza obbligazione di preavviso.

\* The manufacturer reserves the right to change technical data without notice

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

## Technical data sheet

---

MODEL – W2 Z22 MDI		
<b>ATEX compliance</b>	ATEX Zone	22 II 3 D
<b>Tension</b>	Volt Hertz	230 1 ~ 50
<b>Power</b>	kW HP	1,1
<b>Max. vacuum rate for continuous duty</b>	mmH <sub>2</sub> O	2250
<b>Max air flow</b>	m <sup>3</sup> /h	215
<b>Main Filter type</b> <b>Main Filter surface</b>	cm <sup>2</sup>	Star filter 20.000
<b>Oil mist fiber filter</b>		x3
<b>Filter efficiency / main filter</b>	Class/ micron	M / 1 micron
<b>Capacity</b>	L	8
<b>Suction inlet</b>	∅	50
<b>Noise level</b>	dB (A)	77
<b>Protection</b>	IP	55
<b>Dimensions</b>	cm	50 x 63
<b>Height</b>	cm	136
<b>Weight</b>	Kg	62

- Inert fluid bath system to safely extract explosive and conductive metal dust
- ATEX-certified Z22 Stainless steel AISI304 collection tank
- High filtration efficiency foam filter for protection of motors from liquid mist
- Earth grounding
- Motor with very long service life
- Easily detachable container for safe disposal of the collected material
- Prevent build-up of the explosive atmosphere inside the vacuum