

## Delfin DM2 1/2D INERT

Medium-sized oil inerting vacuum with ATEX II 1/2D certification for high-volume collection of self-igniting metal powder from 3D printing. Zone 20 internal, Zone 21 external. HEPA H14. IECEEx.

Brand: Delfin | Manufacturer: Delfin Industrial Vacuums

### Key features

- ATEX II 1/2D - Zone 20 internal, Zone 21 external ; IECEEx Da/Db
- HEPA H14 - 99.995 % at MPPS (EN 1822) ; 26,000 cm<sup>2</sup> filter area
- Oil inerting - neutralises reactive powder before emptying
- TEFC motor 2.2 kW - 430 m<sup>3</sup>/h, 2,250 mmH<sub>2</sub>O
- AISI 304 container - INERT tank 37 L oil / 44 L total
- 74 dB(A) ; 90 kg ; mobile on wheels
- Tested to EN 17348 ; EN IEC 62784:2018 ; EN ISO 80079-36:2016

### ATEX / certification

|                              |
|------------------------------|
| ATEX II 1/2D - CE EX 21 1/2D |
| IECEEx Da/Db                 |
| HEPA H14 - EN 1822           |
| EN 17348:2022                |
| EN IEC 62784:2018            |
| EN ISO 80079-36:2016         |

### Specifications

|                                        |                                                                |
|----------------------------------------|----------------------------------------------------------------|
| <b>ATEX marking</b>                    | II 1/2D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Db           |
| <b>ATEX zone</b>                       | Zone 20 internal, Zone 21 external                             |
| <b>EX category</b>                     | CE EX 21 1/2D ; IECEEx Da/Db                                   |
| <b>Voltage</b>                         | 115/230 V ; 50/60 Hz ; single phase                            |
| <b>Current</b>                         | 30 A (115 V) / 16 A (230 V)                                    |
| <b>Power</b>                           | 2.2 kW                                                         |
| <b>Motor type</b>                      | TEFC (Totally Enclosed Fan Cooled)                             |
| <b>Airflow</b>                         | 430 m <sup>3</sup> /h                                          |
| <b>Vacuum pressure (max.)</b>          | 2,250 mmH <sub>2</sub> O                                       |
| <b>Suction inlet</b>                   | Ø50 mm                                                         |
| <b>Primary filter</b>                  | Star/Tasche polyester ANT M ; 30,000 cm <sup>2</sup> ; Ø500 mm |
| <b>Filter cleaning</b>                 | Manual shaking mechanism ; filter indicator incl.              |
| <b>HEPA filter</b>                     | H14 ; 99.995 % at MPPS ; 26,000 cm <sup>2</sup>                |
| <b>INERT capacity (oil)</b>            | 37 L                                                           |
| <b>INERT capacity (oil + material)</b> | 44 L (max.)*                                                   |
| <b>Container</b>                       | AISI 304 stainless steel                                       |
| <b>Dimensions</b>                      | 77 x 66 x 168 cm (H)                                           |
| <b>Weight</b>                          | 90 kg                                                          |
| <b>Noise level</b>                     | 74 dB(A) (EN ISO 3744)                                         |
| <b>Accessory kit</b>                   | TA.1309.0000 - included                                        |
| <b>Standards</b>                       | EN 17348 ; EN IEC 62784:2018 ; EN ISO 80079-36:2016            |