

## ATEX-10A (IT-40L) DT CFE HEPA - W/3D Tool Kit

Pneumatic immersion separator (Wet Mix - water) for combustible / self-heating dust from 3D printing and additive manufacturing

Brand: Tiger-Vac | Manufacturer: Tiger-Vac International Inc. | Item: 113116

### Key features

- Immersion separator (Wet Mix) - for use with water (no oil)
- Designed for recovery and INERTIZATION of combustible dust into a liquid immersion bath
- Meets the requirements for a liquid precipitation collector for metal dusts (NFPA 484)
- Coalescing Filter Element (CFE) for moisture removal, HEPA grade, 99.97 % at 0.3 µm
- Pneumatic - runs continuously without overheating; degassing vent and liquid level indicator
- Conductive wet recovery bags and complete static-dissipative 3D tool kit included

### ATEX / certification

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| <b>ATEX marking</b>          | II 2GD                                          |
| <b>Gas / dust</b>            | Ex h IIC T6 Gb; Ex h IIIC T85°C Db              |
| <b>Harmonised standard</b>   | EN 17348 WT (combustible and self-heating dust) |
| <b>Operating temperature</b> | 0°C to +40°C (Ta)                               |

### Specifications

|                               |                                                                    |
|-------------------------------|--------------------------------------------------------------------|
| <b>Filter</b>                 | Coalescing Filter Element (CFE), HEPA grade - 99.97 % at 0.3 µm    |
| <b>Operating principle</b>    | Pneumatic - single Venturi                                         |
| <b>Minimum compressor</b>     | 15 HP                                                              |
| <b>Air line size</b>          | 1/2" / Ø 12.7 mm                                                   |
| <b>Input air volume</b>       | 16.5-21.2 L/s                                                      |
| <b>Input air pressure</b>     | 5.5 bar                                                            |
| <b>Air flow</b>               | 187 m <sup>3</sup> /h                                              |
| <b>Vacuum pressure</b>        | 2790 mmH <sub>2</sub> O                                            |
| <b>Sound level</b>            | 68 dB(A)                                                           |
| <b>Suction inlet</b>          | Ø 38 mm                                                            |
| <b>Cart type</b>              | 4-wheel dolly                                                      |
| <b>Filter cleaning</b>        | Liquid immersion bath                                              |
| <b>Recovery tank</b>          | Stainless steel 304                                                |
| <b>Recovery capacity</b>      | 12.3 L (3.25 gal) water required; conductive wet bag 3 L (0.8 gal) |
| <b>Dimensions (H x W x L)</b> | 86 x 46 x 48 cm                                                    |
| <b>Recovery type</b>          | Wet mix (water) / dry                                              |

### 3D Tool Kit contents

Tool kit configured for the 1.5" camlock (38 mm) suction inlet.

#### Included:

- Static-conductive crushproof suction hose, 1.5" (38 mm) x 3 m, for 1.5" camlock inlet
- Round brush, ESD-safe plastic, for 1.5" (38 mm) hose
- Crevice tool, 1.5" (38 mm) x 20 cm, conductive rubber with aluminium tube
- Conical nozzle with curved tip, 25 cm, conductive rubber

#### Optional:

- Double-bend wand (2-piece), 1.5" (38 mm) x 137 cm, chrome
- Utility floor tool, 38 mm x 30 cm, static-conductive plastic with conductive bristles