ATEX COMBI VACUUM CLEANER

Tiger-Vac CD-595 EX HEPA VOC Stainless Steel CAT. 2GD Z1-21

Mobile stainless-steel ATEX extractor for fumes, vapours and VOCs, II 1/2GD – 1,000 m³/h, spark trap, HEPA H14 and 12 activated-carbon cartridges, for Zone 1+2 gas and Zone 21+22 dust



Tiger-Vac CD-595 EX HEPA VOC Stainless Steel CAT. 2GD Z1-21 – Mobile ATEX extractor for fumes and VOCs, II 1/2GD – 1,000 m³/h, HEPA H14 and activated carbon

ATEX Directive 2014/34/EU – II 1/2GD External: Ex db h IIB T4 Gb – Ex h tb IIIC T135 C Db IP65 – Internal: Ex h IIC T6 Ga – Ex h IIIC T50 C Da – -5 C <= Ta <= +37 C – EN 17348 DT – LCIE 03 ATEX 6295 X – IECEx LCI 10.0040X · EN 17348:2022 (harmonized March 2023) · IEC 60335-2-69 (industrial vacuums)

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The Tiger-Vac CD-595 EX HEPA VOC (112997B1) is a mobile Type 304 stainless-steel extractor for fumes, vapours, VOCs and gases in ATEX areas. It is certified II 1/2GD for use in gas Zones 1 and 2 and dust Zones 21 and 22, and to EN 17348 DT for collecting combustible dust. Air passes through three stages: a metal mesh that acts as a spark trap, a V-bank HEPA H14 filter rated 99.99 % at 0.3 µm, and twelve activated-carbon cartridges that adsorb fumes and VOCs. It moves 1,000 m³/h, is available with a 2.2 kW motor for 400 V or a 1.5 kW motor for 230 V, and the differential pressure gauge is included.

Applications

- Extraction of solvent vapours during dispensing and decanting in Zone 1
- Point extraction with an arm at drums, lances and filling points
- Welding fumes, smoke and gases in classified areas
- Areas where both particles and organic vapours are present
- Mobile extraction moved between workstations

Technical specifications

ATEX marking	II 1/2GD External: Ex db h IIB T4 Gb – Ex h tb IIIC T135 C Db IP65 – Internal: Ex h IIC T6 Ga – Ex h IIIC T50 C Da – -5 C <= Ta <= +37 C – EN 17348 DT – LCIE 03 ATEX 6295 X – IECEx LCI 10.0040X
Internal / external zone	20 (dust) and 0 (gas) / 21 (dust) and 1 (gas)
Motor type	Continuous-duty TEFC motor with thermal overload protection – explosion-protected (Ex db h IIB T4 Gb / Ex h tb IIIC T135 C Db IP65), 3rd party certified
Duty cycle	
Airflow	1,000 m³/h
Vacuum	Not stated by the manufacturer (low pressure, high flow)

Container	2.3 L (HEPA collection)
Sound pressure	72 dB(A) (EN ISO 11203)
Filter class	H class
Filter type	V-bank HEPA H14 with aluminium frame (223051HV), 99.99 % at 0.3 µm – included
Primary filter	Metal-mesh spark trap (218054) and 12 activated-carbon cartridges (218049)
Cleaning system	No automatic cleaning – filters are replaced as required
Collection system	HEPA collection
Material	Type 304 stainless steel
IP class	IP65
Power	2.2 kW (400 V) / 1.5 kW (230 V)
Current	4.8 A (400 V) / 12.3 A (230 V)
Voltage	400 V / 50 Hz / 3~ or 230 V / 50 Hz / 1~
Inlet	Ø 150 mm (6")
Dimensions (L × W × H)	690 x 660 x 1650 mm
Weight	Available on request

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