

ATEX · II 1/2 GD · HEPA H14 + ACTIVATED CARBON

CD-595 EX HEPA VOC

ATEX-certified stainless-steel fume and VOC extractor with three-stage filtration: spark trap, HEPA H14 and 12 activated-carbon cartridges — for the safe capture of fumes, vapours and organic gases in explosive atmospheres (Zone 1/21).

- Three-stage filtration: spark trap + HEPA H14 + activated carbon
- Adsorbs VOCs, vapours and odour — not just particulate
- ATEX II 1/2 GD — Zone 1 and Zone 21
- Type 304 stainless steel, IP65



CD-595 EX HEPA VOC ATEX stainless-steel fume and VOC extractor

LCIE 03 ATEX 6295 X · IECEx LCI 10.0040X · HEPA H14 + activated carbon included

Quick facts

Certification	ATEX II 1/2 GD
Filtration	HEPA H14 + carbon
Capacity	1000 m ³ /h
Motor	2.2/1.5 kW
Zones	Zone 1 / 21
Inlet	Ø150 mm
IP rating	IP65

About the CD-595 EX HEPA VOC

The CD-595 EX HEPA VOC is a transportable, ATEX-certified stainless-steel extractor built for environments that combine explosion risk with the need to remove organic vapours. It is more than a vacuum: air passes through three filtration stages — a metal-mesh spark trap, a V-bank HEPA H14 filter that retains particles down to 0.3 micron, and twelve activated-carbon cartridges that adsorb fumes, VOCs and odour. This carbon stage sets it apart from the rest of the CD range and makes it relevant wherever process fumes and solvent vapours must be captured inside a classified zone.

The unit is certified to the ATEX Directive (LCIE 03 ATEX 6295 X, II 1/2 GD) and IECEx (LCI 10.0040X) for use in gas Zone 1 and dust Zone 21, with an explosion-proof TEFC motor rated at either 2.2 kW (400V) or 1.5 kW (230V). The Type 304 stainless-steel cabinet carries an IP65 rating, four conductive castors (two with brakes) and a low centre of gravity for stability in transit. A differential pressure gauge is included, so the operator can monitor filter loading at a glance.

Technical specifications

Parameter	Value
ATEX certification	LCIE 03 ATEX 6295 X, IECEx LCI 10.0040X
Marking	CE 0081, II 1/2 GD
External classification	Ex db h IIB T4 Gb + Ex h tb IIIC T135°C Db IP65
Internal classification	Ex h IIC T6 Ga + Ex h IIIC T50°C Da

Parameter	Value
Gas zones	Zone 1, Zone 2 (Zone 0 internal)
Dust zones	Zone 21, Zone 22 (Zone 20 internal)
Ambient temperature	-5°C to +37°C (dry collector)
Filtration	3 stages: spark trap + V-bank HEPA H14 + 12 activated-carbon cartridges
HEPA H14	99.99% at 0.3 µm (included)
Motor – 400V	2.2 kW TEFC, 400V 3-phase, 4.8 A
Motor – 230V	1.5 kW TEFC, 230V single-phase, 12.3 A
Air flow	1000 m³/h
Noise level	72 dB(A) (EN ISO 11203)
Inlet diameter	Ø150 mm (6")
Containment	0.5 gal / 1.9 L (HEPA collection)
Construction	Type 304 stainless steel
Dimensions (L×W×H)	approx. 69 × 66 × 165 cm
Weight	Available on request
Cord	10 m
IP rating	IP65

Accessories



CD-595 EX HEPA VOC three-stage filtration system

Three-stage filtration system



Differential pressure gauge included

Differential pressure gauge (included)



CD-595 EX HEPA VOC rear view with cord hook

Rear view

Options

- **Point-extraction arm** — Ø160 mm stainless steel, 2 m or 3 m reach
- **Mounting plate with flange** — for fixed connection of a hose or extraction arm
- **Hoses** — 6" thermoplastic rubber with steel helix, or FLX-THANE clear urethane (FDA, abrasion-resistant)
- **Group E version** — motor and switch for the safe recovery of conductive metal dust

CONTACT

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