

TIGER-VAC · II 3D EX H TC IIIC T125 C DC IP65 -- -5 C <= TA <= +37 C -- EN 17348 DT -- ATEX 1ST PARTY CERTIFIED -- ISO CLASS 4 CLEANROOM-COMPATIBLE

Tiger-Vac CD-2600 EX CR (MFS) Z22



The Tiger-Vac CD-2600 EX CR (MFS) Z22 (CR = Cleanroom) is Tiger-Vac's vertically mounted single-phase ATEX II 3D vacuum for pharma and cleanroom applications. Marked II 3D Ex h tc IIIC T125 C Dc IP65, EN 17348 DT, and is ISO Class 4 cleanroom compatible. A 230 V TEFC induction motor (2 kW, 13 A) delivers 306 m³/h at 2030 mmH₂O and just 68 dB(A) -- the lowest noise in the CD series. The vertical Carriage Base (CB) construction gives a small 51 x 66 cm footprint but 191 cm height -- ideal for areas with limited floor space. 36 L AISI 304 detachable tank, star-shaped Teflon-coated main filter with MFS, True Cyclone Separator. Often used in pharma pilot plants for tablet recovery, dust housekeeping in cleanrooms, and process equipment connection where a tall cylindrical shape fits better than a short, wide CD-55L.

APPLICATIONS

- Pharma tablet recovery in ATEX cleanrooms (ISO Class 4 compatible)
- Dust housekeeping in cleanrooms with limited floor space -- vertical Carriage Base
- Process equipment connection for continuous dust extraction
- Pharma pilot plants where low sound level (68 dB(A)) is critical
- ATEX housekeeping where single-phase 230 V is required

Technical specifications

ATEX marking	II 3D Ex h tc IIIC T125 C Dc IP65 -- -5 C <= Ta <= +37 C -- EN 17348 DT -- ATEX 1st party certified -- ISO Class 4 cleanroom-compatible
Internal / external zone	-- / 22
Motor type	1-faset TEFC induction-motor, eksplosionsbeskyttet -- kontinuerlig drift 24/7
Airflow	306 m ³ /h
Vacuum	199 mbar (2030 mmH ₂ O)
Container	36 L
Sound pressure	68 dB(A)
Filter class	H class
Filter type	HEPA H14 (EN 1822, 99,995 % MPPS), aerosol leak-testet, OSHA-compliant -- HEPA upstream/downstream som tilvalg, ULPA U15 også tilvalg
Primary filter	Star-shaped Teflon-belagt SD-hovedfilter med Manual Filter Shaker
Cleaning system	Manual Filter Shaker (MFS)
Collection system	Detachable container
Material	AISI 304 rustfri stål (krop og tank)
IP class	IP65
Power	2.0 kW
Current	13 A
Voltage	230 V / 50 Hz / 1~
Inlet	Diameter 50 mm
Dimensions (L x W x H)	660 x 510 x 1910 mm
Weight	112 kg

Questions and answers

Why vertical mounting on a Carriage Base?

The Carriage Base (CB) keeps the vacuum in an upright cylindrical form 191 cm tall. This gives a footprint of just 51 x 66 cm -- about a third of a standard horizontal CD-55L. Suitable for pharma pilot plants, cleanrooms and small process areas where floor space is at a premium. The CB construction is also easier to integrate with process equipment via the top of the tank (for connecting pickup pipes from process machinery).

What does ISO Class 4 cleanroom compatible mean?

ISO Class 4 (formerly Class 10) is a cleanroom class allowing maximum 352 particles above 0.5 micron per m³ of air. The CD-2600 in the optional ULPA U15 configuration can meet this requirement because ULPA filtration captures 99.999 % of particles down to 0.12 micron. The vacuum must be placed in the cleanroom or connected to the cleanroom's exhaust system. Note: with the standard MFS cloth filter (without HEPA/ULPA option) the CD-2600 is NOT ISO 4 compatible -- HEPA or ULPA is an optional upgrade for pharma applications.

What does "CR" stand for in the model name?

CR stands for Cleanroom -- i.e. the variant designed for pharma and cleanroom applications. The vertical Carriage Base and low sound level (68 dB(A)) are both cleanroom-oriented design choices. Other CD-2600 variants (without CR) exist with horizontal mounting or three-phase 400 V motors for more industrial applications.

Can it pick up liquids or tablets?

Liquids: no -- the CD-2600 is Dry Recovery Only per EN 17348 DT. Liquids can however be collected in a separate tank (contact us for configuration). Tablets: yes -- Tiger-Vac specifically highlights in the brochure that the CD-2600 EX CR "can also be used for the recovery of tablets in the Pharmaceutical industry". Tablets fall into the 36 L AISI 304 tank without being crushed by the motor's vacuum flow, making it suitable for pharma tablet reject recovery.

Contact and advisory

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