

WHITE LINE · CLEAN ROOM · PROCESS EXTRACTION

Tiger-Vac CD-2600 CR (MRP)

WHITE LINE

The same machine as the CD-2600 CR (MFS), but with manual reverse purge instead of a shaker. Built for continuous source extraction on process equipment in pharmaceutical production. Three-phase motor of 2.2 or 3.7 kW and a 36 litre recovery tank you release with a single pull. Dry pick-up only.

- **The filter is cleaned by reversing the air.** Manual reverse purge (MRP) blows the filter clean from the inside while the machine is at a standstill. There is no mechanical shaking, and the dust falls down into the tank.
- **One pull empties the tank.** Pull the handle down and the 36 litres are released straight away. No tools, no hoses to disconnect, and the tank sits at a sensible working height.
- **Designed to stay connected and run.** The motor is totally enclosed and fan cooled and rated for continuous duty, so the machine can stay connected around the clock.
- **It takes up almost no floor space.** The machine is built vertically and occupies 51 × 66 cm, about a third of a Euro pallet. The four castors mean one person can move it.
- **Cleanroom ready with HEPA or ULPA.** With HEPA H14 or ULPA U15 fitted, the machine meets ISO Class 4.
- **Three-phase only.** 400 V, 50 Hz. The model is not available single-phase, and that applies to every version.



Tiger-Vac CD-2600 CR (MRP) cleanroom vacuum with manual reverse purge

HEPA H14, 99.995 % at 0.3 µm (optional) · ULPA U15, 99.999 % at 0.12 µm (optional) · ISO Class 4 with HEPA or ULPA fitted · Every HEPA and ULPA system is aerosol tested at the factory

Quick facts	
Application	Source extraction on process equipment
Filter cleaning	Manual reverse purge (MRP)
Duty	Continuous
Supply	400 V, three-phase
Power	2.2 or 3.7 kW
Airflow	330 or 340 m³/h
Vacuum	3,300 or 3,560 mm H ₂ O
Sound level	68 dB(A)
Tank	36 litres, one pull
Suction inlet	Ø50 mm
Footprint	0.34 m²
Cleanroom	ISO 4 with HEPA/ULPA
Pick-up	Dry only
Dimensions (H×W×L)	191×51×66 cm
Weight	112 kg

What MRP means in practice

CD-2600 CR (MRP) is the same machine as the MFS model. The base machine, the motor, the recovery tank and the dimensions are identical. The only thing that separates them is the way the main filter is cleaned.

MRP stands for Manual Reverse Purge. With the machine at a standstill, the airflow is reversed manually through the filter, so it is blown clean from the inside and the dust falls down into the tank. No mechanical shaking is involved, so the filter cartridge gets a gentler treatment than in a shaker. **CR** stands for Clean Room and denotes the version intended for cleanrooms and pharmaceutical environments.

Our rule of thumb is straightforward. If the filter needs cleaning at batch change or shift change, and you want as few moving parts as possible, that points to MFS. If it needs cleaning several times an hour mid production, that points to ARP, where the purge happens automatically during operation. MRP sits in between: the cleaning happens at a planned stop, but without shaking the filter.

This is how little room it takes: 51 × 66 cm on the floor is about a third of a square metre, or a good third of a Euro pallet. In return it is 191 cm tall, because the whole build stands vertically. In practice that means the machine can stay permanently beside a tablet press, even in a room where every square metre is spoken for.

MFS, MRP or ARP: which filter cleaning should you choose?

System	How the filter is cleaned	Choose it if
MFS, manual filter shaker	The filter is shaken clean mechanically. No compressed air, no electronics.	You want as few components as possible, and cleaning can happen at batch change. See the MFS model.
MRP, manual reverse purge (this page)	The airflow is reversed manually through the filter while the machine is stopped.	You prefer cleaning without mechanical shaking, at planned stops.
ARP, automatic reverse purge	The airflow is reversed automatically while the machine runs.	The dust load is so high that the filter has to be cleaned several times an hour mid production. See the ARP model.

Technical specifications

The machine comes with two motor sizes. The smaller one covers most jobs on a single process machine, while the larger is used where hose runs are longer or where there is more than one extraction point.

Parameter	2.2 kW motor	3.7 kW motor
Voltage and frequency	400 V, 50 Hz, three-phase. Not available single-phase.	
Power	2.2 kW (2200 W)	3.7 kW (3700 W)
Current draw	6 A	7.4 A
Airflow	330 m ³ /h	340 m ³ /h
Max. vacuum	3,300 mm H ₂ O	3,560 mm H ₂ O
Vacuum relief valve (VRV)	2,795 mm H ₂ O	3,050 mm H ₂ O
Sound level (EN ISO 11203)	68 dB(A)	
Motor	Totally enclosed fan cooled motor (TEFC), mounted vertically	
Duty	Continuous	
Filter cleaning	Manual reverse purge (MRP)	
Main filter	Conductive aluminised spunbond filter cartridge	

Parameter	2.2 kW motor	3.7 kW motor
Suction inlet	Ø50 mm	
Recovery tank	36 litres, released with one pull	
Pick-up type	Dry pick-up only	
Dimensions (H × W × L)	191 × 51 × 66 cm	
Footprint	0.34 m², about a third of a Euro pallet	
Weight (machine only)	112 kg	
Cable length	10 m. Plug not included.	
Base	Carriage Base (CB) with four castors	
Cleanroom class	ISO Class 4 with HEPA or ULPA fitted	
Build	Vertical, so the machine takes the least possible floor space	
Finish	Stainless steel, or stainless steel combined with white powder coating	

CE marking based on: EN 60335-2-2 • Machinery Directive 2006/42/EC • Low Voltage Directive 2014/35/EU • EMC Directive 2014/30/EU

Versions and options

The series comes in two versions. The difference lies in how much of the machine is stainless steel:

- **All stainless steel.** Tank, filter chamber, motor housing and base are all stainless steel. This is the version we recommend for washdown rooms and for environments with cleaning agents or disinfectants.
- **Stainless steel and white powder coating.** The product contact parts, meaning the tank and the filter chamber, are stainless steel, while the chassis and the motor housing are white powder coated. This is the classic WHITE LINE version, and it is less expensive where the machine will not be hosed down.

On top of that come these options:

- **HEPA H14 after-filter** with at least 99.995 % efficiency at 0.3 µm, in a separate housing.
- **ULPA U15 after-filter** with 99.999 % at 0.12 µm, in a separate housing. We recommend ULPA when the machine is to stay permanently in a classified room.
- **Polyliner collection bags** for the tank, so emptying can be done without raising dust.
- **Hoses and accessories** in Ø50 or Ø64 mm, sold per metre.

Part numbers depend on the chosen version and motor size, and we always confirm them on the quotation and the order confirmation, so you have them in writing for your documentation.

Accessories

Use recommended accessories only. See also our accessories range VACE and the hose programme FlexCore.



Tiger-Vac CD-2600 CR (MFS) WHITE LINE



HEPA H14 filter for Tiger-Vac CD-2600



Clear polyliner recovery bags



Accessory kit with nozzles and tubes

CONTACT**Particulair – Life Science Hub**

Nordic specialist in industrial vacuum for pharma & life science

Højtoften 12, 2690 Karlslunde, Denmark

Tel: +45 70 23 12 03 · sales@particulair.com · particulair.eu/life-science/