

WHITE LINE · CLEAN ROOM · PROCESS EXTRACTION

Tiger-Vac CD-2600 CR (MFS)

WHITE LINE

Built for continuous source extraction on tablet presses and other process equipment in pharmaceutical production. Manual filter shaker, 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.

- **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, so your back is spared.
- **Designed to stay connected and run.** Continuous source extraction directly on the tablet press, the granulator or the capsule filler, around the clock if that is what the process calls for.
- **It takes up almost no floor space.** The machine is built vertically and occupies only 51 × 66 cm, roughly a third of a Euro pallet. It can stand permanently beside the press without being in the way, and the four castors mean one person can move it.
- **The filter is cleaned mechanically.** The manual filter shaker (MFS) does the job without compressed air and without electronics. Fewer parts to maintain and to qualify.
- **Cleanroom ready with HEPA or ULPA.** With HEPA H14 or ULPA U15 fitted, the machine meets ISO Class 4.
- **68 dB(A).** Quiet enough to run all day in a room where people are working too.



Tiger-Vac CD-2600 CR (MFS) stainless steel cleanroom vacuum with manual filter shaker

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 shaker (MFS)
Duty	Continuous
Supply	400 V, three-phase
Power	2.2 or 3.7 kW
Airflow	330 or 340 m ³ /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 m ²
Cleanroom	ISO 4 with HEPA/ULPA
Pick-up	Dry only
Dimensions (H×W×L)	191×51×66 cm
Weight	112 kg

Built to stay put on the process equipment

CD-2600 CR (MFS) was developed for continuous source extraction directly on process machines in pharmaceutical production. The typical job is a tablet press, where the machine draws dust and reject away from the press while it runs, but it is used just as often on granulators, capsule fillers, sieves and packaging lines. Because the motor is rated for continuous duty, the machine can stay connected around the clock without needing to cool down along the way.

The letters in the type designation tell you what it does. **CR** stands for Clean Room, the version intended for cleanrooms and pharmaceutical environments. **MFS** stands for Manual Filter Shaker, which cleans the main filter mechanically. Neither compressed air nor control electronics are involved, and that is an advantage when the installation has to be qualified and maintained.

The machine is also used to recover tablets. Tablets are drawn down into the tank without being crushed on the way, so they can be weighed or discarded according to your own procedure. If the machine is to form part of genuine containment at OEB 3 or above, this model will not do the job on its own. In that case we recommend a bag-in/bag-out or closed-canister solution, and we are happy to look at that together with you.

One pull releases the tank

It sounds like a small thing, but it is the detail operators notice every single day. You pull the handle on the side downwards and the 36 litre tank is released immediately. Then you roll it out, empty it and put it back. No tools are needed, no hoses or filters have to come off first, and you do not need a second pair of hands.

The tank also sits at a sensible working height. You neither have to kneel down nor lift above shoulder height, which makes a real difference when it has to be emptied several times a day. We often choose this particular model precisely because emptying is simple enough that it actually gets done on time.

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?

CD-2600 CR comes with three different ways of cleaning the main filter. The base machine is the same, and the difference lies in how and when the filter is cleaned.

System	How the filter is cleaned	Choose it if
MFS, manual filter shaker (this page)	The filter is shaken clean mechanically. No compressed air, no electronics.	The filter needs cleaning at batch change or shift change, and you want as few components as possible.
MRP, manual reverse purge	The airflow is reversed manually through the filter.	You prefer cleaning without mechanical shaking, at planned stops. See the MRP model.
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 tablet press, 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.	

Parameter	2.2 kW motor	3.7 kW motor
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 filter shaker (MFS)	
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 m ² , about a third of a Euro pallet	
Weight (machine only)	112 kg	
Cable length	10 m	
Base	Carriage Base (CB) with four castors	
Plug	Not included	
Cleanroom class	ISO Class 4 with HEPA or ULPA fitted	

Versions and part numbers

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

- **All stainless steel** (111464B1 and 111468B1). 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** (111308B1 and 111319B1). 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.

We always confirm the exact material breakdown on the order confirmation, so you have it in writing for your documentation.

Part no.	Version	Motor	Airflow and vacuum
111464B1	All stainless steel	2.2 kW	330 m ³ /h at 3,300 mm H ₂ O
111468B1	All stainless steel	3.7 kW	340 m ³ /h at 3,560 mm H ₂ O
111308B1	Stainless steel and white powder coating	2.2 kW	330 m ³ /h at 3,300 mm H ₂ O
111319B1	Stainless steel and white powder coating	3.7 kW	340 m ³ /h at 3,560 mm H ₂ O

Filtration and cleanroom suitability

The machine comes as standard with a PTFE laminated main filter with a clamping band, plus a filter cage that holds the filter in place when it is shaken. That is enough for ordinary process extraction, but if the machine is to stand in a classified room it needs an after-filter in a separate filter housing:

- **HEPA H14** with at least 99.995 % efficiency at 0.3 µm, tested to IEST-RP-CC001 and classified H14 by the MPPS method in EN 1822.
- **ULPA U15** with 99.999 % at 0.12 µm and 99.9995 % at 0.18 µm, tested to IEST-RP-CC001 and classified U15 by the MPPS method in EN 1822.

Please note that the base machine with the ordinary shaker filter is not in itself suitable for ISO Class 4. It is the HEPA or ULPA option that lifts the machine into cleanroom class, and we recommend ULPA when it is to stay permanently in a classified room. Every HEPA and ULPA system is aerosol tested for leaks before it leaves the factory.

Filters, liners and spare parts

Supplied with the machine

Part no.	Description
215025TA	Main filter with clamping band, PTFE laminated. Support ring and cage sold separately.
214685A	Filter cage, zinc plated

HEPA and ULPA filters with housing (optional)

Part no.	Description
213182	HEPA filter, Ø35.1 cm and 9.8 cm tall, at least 99.995 % at 0.3 µm, with gasket fitted
213181	ULPA filter (U15), Ø35.1 cm and 9.8 cm tall, rated for 250 CFM
215014B	Filter housing for CD-2600 STD and CRS, powder coated steel
215012	Filter housing for CD-2600, stainless steel AISI 304

Collection liners (optional)

Part no.	Description
214987	Polyliner, clear with drawstring. Pack of 5.
213780	Retaining plate for polyliner, for motors up to 5 HP

Hoses and accessories (optional)

Part no.	Description
500390	Clear polyurethane hose SD, Ø50 mm, light and hard wearing. Sold per metre.
635078	Clear polyurethane hose SD, Ø64 mm, light and hard wearing. Sold per metre.
500159	Clamping band, Tridon screw type size 32, stainless steel
635016	Hose clamp, stainless screw type for Ø64 mm hose
500168	Hose cuff Ø50 mm for Vacuflex hose Ø50 mm
635248	Hose cuff for wire reinforced hose Ø64 mm
500198	Cuff adapter from Ø50 mm to Ø63.5 mm (500168 and 635248)

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

Photos



Tiger-Vac CD-2600 CR (MFS) seen from the front in stainless steel



Tiger-Vac CD-2600 with the 36 litre recovery tank rolled out for emptying



Tiger-Vac CD-2600 CR (MFS) in the white powder coated version



Tiger-Vac CD-2600 seen from the rear with the filter housing fitted



HEPA H14 filter for Tiger-Vac CD-2600, part number 213182



Tiger-Vac CD-2600 shown to scale next to an adult

Related models

CONTACT

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