

TIGER-VAC · MANUAL FILTER SHAKER (MFS) · THREE-PHASE 400 V · CONTINUOUS SOURCE EXTRACTION · 36 LITRE RECOVERY TANK · ISO CLASS 4 WITH HEPA OR ULPA

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



Tiger-Vac CD-2600 CR (MFS) is built for continuous source extraction directly on process equipment in pharmaceutical production. The typical job is a tablet press, where the machine draws dust and reject away while the press runs, but it is used just as often on granulators, capsule fillers, sieves and packaging lines. CR stands for Clean Room, and MFS for Manual Filter Shaker: a manual shaker that cleans the main filter mechanically without compressed air and without electronics. The motor is three-phase, totally enclosed and fan cooled (TEFC) and rated to run without interruption. The machine is built vertically and occupies only 51 x 66 cm on the floor, about a third of a Euro pallet, so it can stay beside the process machine. The 36 litre recovery tank is released with one pull on the handle and sits at a good working height. Dry pick-up only.

APPLICATIONS

- Continuous source extraction on tablet presses, granulators and capsule fillers
- Recovery of tablets that have to be weighed or discarded according to procedure
- Permanent process extraction in rooms where floor space is at a premium
- Cleanroom duty up to ISO Class 4 when HEPA H14 or ULPA U15 is fitted
- Cleaning around process equipment in food and pharmaceutical production

Technical specifications

Application	Continuous source extraction on process equipment
Motor	Totally enclosed fan cooled motor (TEFC), mounted vertically
Duty	Continuous
Voltage	400 V / 50 Hz / three-phase. Not available single-phase.
Power	2.2 kW (6 A) or 3.7 kW (7.4 A)
Airflow	330 m³/h (2.2 kW) or 340 m³/h (3.7 kW)
Max. vacuum	3,300 mm H ₂ O (2.2 kW) or 3,560 mm H ₂ O (3.7 kW)
Vacuum relief valve	2,795 mm H ₂ O (2.2 kW) or 3,050 mm H ₂ O (3.7 kW)
Sound level	68 dB(A) to EN ISO 11203
Filter cleaning	Manual filter shaker (MFS)
Main filter	PTFE laminated main filter with clamping band and filter cage, supplied
After-filter, optional	HEPA H14 (99.995 % at 0.3 µm) or ULPA U15 (99.999 % at 0.12 µm), EN 1822 MPPS and IEST-RP-CC001
Cleanroom class	ISO Class 4 when HEPA or ULPA is fitted
Recovery tank	36 litres, released with one pull
Pick-up type	Dry pick-up only
Suction inlet	Ø50 mm
Dimensions (H x W x L)	191 x 51 x 66 cm
Footprint	0.34 m², about a third of a Euro pallet
Weight	112 kg
Cable length	10 m. Plug not included.
Base	Carriage Base (CB) with four castors
Finish	All stainless steel, or stainless steel combined with white powder coating

VERSIONS AND PART NUMBERS

In the combined version 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. We always confirm the material breakdown on the order confirmation.

PART NO.	VERSION	MOTOR	AIRFLOW AND VACUUM
111464B1	All stainless steel	2.2 kW	330 m³/h at 3,300 mm H ₂ O
111468B1	All stainless steel	3.7 kW	340 m³/h at 3,560 mm H ₂ O
111308B1	Stainless steel and white powder coating	2.2 kW	330 m³/h at 3,300 mm H ₂ O
111319B1	Stainless steel and white powder coating	3.7 kW	340 m³/h at 3,560 mm H ₂ O

Questions and answers

How easy is the tank to empty?

You pull the handle down and the 36 litre recovery tank is released straight away. Then you roll it out and empty it. No tools are needed, and no hoses or filters have to come off first. The tank sits at a good working height, so you neither have to kneel down nor lift above shoulder height. In practice that is what makes the emptying actually get done on time.

What is the difference between MFS, MRP and ARP?

All three are ways of cleaning the main filter, and the base machine is the same. MFS shakes the filter clean mechanically without compressed air. MRP reverses the airflow manually through the filter. ARP does the same automatically during operation. Our rule of thumb: if the filter has to be cleaned several times an hour mid production, that points to ARP. If it happens at batch change or shift change, MFS is both cheaper to buy and simpler to keep running.

Can the machine be used in an ISO Class 4 cleanroom?

Yes, when it is fitted with HEPA or ULPA. The base machine with the ordinary shaker filter is not in itself suitable for ISO Class 4. With HEPA H14 or ULPA U15 the machine meets ISO Class 4, formerly Class 10. Every HEPA and ULPA system is aerosol tested for leaks before it leaves the factory. We recommend ULPA when the machine is to stay permanently in a classified room.

Can it recover tablets without crushing them?

Yes. Tablet recovery is one of the jobs the machine most often does at pharmaceutical manufacturers. The tablets are drawn down into the tank without being crushed on the way, and because the tank is released with one pull, the product can quickly be weighed or discarded according to the applicable procedure.

How much floor space does it need?

Very little. The machine is built vertically and occupies 51 x 66 cm on the floor, about a third of a square metre. That is a good third of a Euro pallet. In return it is 191 cm tall. The four castors mean one person can move it.

Is a single-phase version available?

No. CD-2600 CR (MFS) is a purely three-phase model and is supplied only with 400 V, 50 Hz. That applies to all four part numbers. If you only have single-phase power available, we will find another model that suits the job.

Documentation and contact

We supply a test certificate for the fitted filter and an EU declaration of conformity for the machine together with the delivery. If you need the paperwork earlier, for a supplier qualification or a URS for instance, we are happy to send it in advance. Call or write and we will work out what you need.

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