

CP1 Manual EN





CAUTION! 
Read the manual

Before initial operation, it is essential to read the instructions in this manual to prevent damage to the device and personal injury!

Introduction

Thank you for choosing a CERPUR CP1 grain cleaner.

Please read this manual carefully before use.

Scope of delivery

- CERPUR CP1 grain cleaner
- Infeed hopper
- Manual

CAUTION! Two sieves are required for the operation of the CP1 (one for the top and one for the bottom). These are not included in the scope of delivery for the CERPUR CP1 and must be ordered separately.

Intended use

The CERPUR CP1 is designed for cleaning grain and similar crops. It removes excessively light components and separates the goods by size into three fractions:

- Undersized: e.g., broken kernels, weed seeds
- Cleaned product: main product
- Oversized: e.g., straw residues, stones, coarse impurities

Important installation instructions:

- Inlet: Rectangular infeed hopper (65 × 70 cm).
- Outlets: 3 x flanged connections DN 100.
- Installation: Only on a level, load-bearing floor using the designated mounting points.
- Environment: The installation site must be dry and roofed.
- Integration: The CERPUR CP1 can also be used as a system component. The customer is responsible for proper safety measures within the overall system.

Unauthorized modifications, additions, or conversions to the machine are prohibited without the written approval of the manufacturer. Unauthorized modifications will void the CE declaration of conformity and any warranty claims.

Any other use is considered improper. The manufacturer is not liable for any resulting damage; the user bears the sole risk.

Safety instructions



Ensure that every person operating, maintaining, or installing the CP1 has read and understood this manual.



Wearing safety shoes, protective gloves, dust masks, and safety goggles is mandatory during assembly and adjustment work.



Dust exposure: Dust may be generated during the operation of the CERPUR CP1. Wear a dust mask and safety goggles during operation. Ensure adequate extraction or ventilation.



Noise exposure: Wearing hearing protection is recommended for prolonged stays in the work area during operation.



Do not place any objects on the machine. Items placed on the machine may fall off due to vibrations, block mechanisms, or damage the machine.



Climbing on the machine or using it as a climbing aid is strictly prohibited.



Crush injury hazard: Never reach into the running machine!



WARNING of rotating parts: Never touch or reach into rotating components (e.g., blower/fan, drives).



Entanglement and injury hazard. Do not wear loose clothing or leave hair untied.



All work (adjustment, cleaning, maintenance) must only be carried out when the machine is at a complete standstill and the power plug is disconnected. Secure against unintentional restart.



Electrical connection and initial start-up must only be performed by a qualified electrician.



Fire and explosion hazard: Operating the CERPUR CP1 in potentially explosive atmospheres is strictly prohibited. Avoid dust accumulation. Combustible dusts can ignite and lead to severe explosions.



Technical data

Functional data

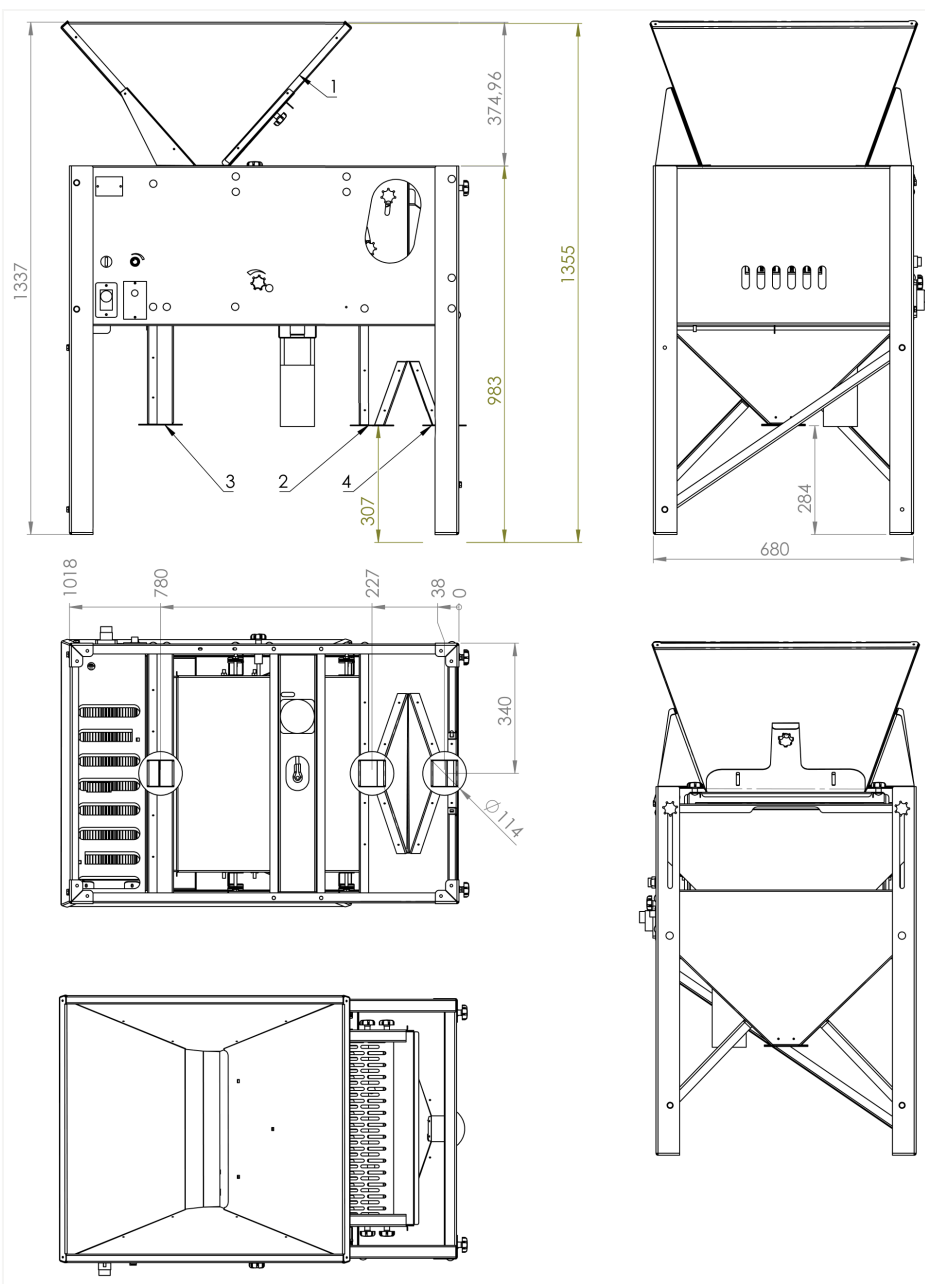
Cleaning capacity	Up to 1000 kg/h, depending on the crop
Throughput speed	Adjustable via sieve inclination
Operating temperature	-10 to +40 °C
Infeed hopper	114 l
Hopper outlet	Self-cleaning with rake
Air separator	Adjustable radial fan
Sieve area	2 levels (500×500 mm)
Sieve box	Variable stroke frequency
Outlets	3 x DN 100 with flange

Electrical data

Main switch	On/off switch with integrated emergency stop function
Connection	230V / 0.37 kW
Power cable	3m with Schuko plug
Fan motor	250W, 230V, 50Hz, adjustable speed
Sieve motor	90W, 230V, 50Hz, adjustable speed

Physical data

Dimensions	108 × 72 × 136 cm
Weight	95 kg
Material	Galvanized steel
Minimum required ambient clearance	On both long sides: 400 mm; Front: 500 mm; Rear: 100 mm; Top: 100 mm



1: Infeed hopper; 2: Small outlet; 3: Medium outlet; 4: Large outlet

Installation

- Select a location that offers sufficient space for the CP1. Observe the minimum clearances (long side: 40 cm, front: 50 cm, rear: 10 cm, top: 10 cm) and ensure adequate space for your attachments.
- Firmly bolt the CP1 to the floor using the designated holes in the feet.

Operation and settings

Adjusting the grain infeed

To adjust the flow rate, loosen the star knob and move the infeed slide. Select a slide opening that fills the upper sieve with grains to a maximum of half its capacity. Finally, retighten the star knob.

For a uniform flow, the rake can be pushed into the infeed hopper. Loosen the two star knobs and move the rake. Finally, retighten the star knobs.



Adjusting the sieve inclination

The inclination of both sieves can be adjusted to regulate the throughput speed. A flatter inclination angle improves the cleaning result but reduces the hourly output.

Loosen the star knobs on the outside of the sieve box. Move the sieve up or down to adjust the inclination. Secure the knobs at the same height on both sides.



Changing the sieves

- Loosen the star knobs on the outside of the sieve box.
- Loosen the clamping strips on the edge of the sieve by sliding them.
- Pull out the old sieve.
- Push the new sieve in as far as it will go.
- Firmly press the clamping strip back into place and secure it.

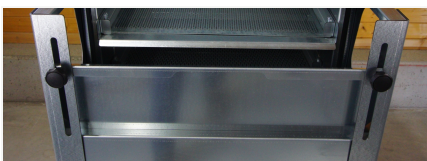
Turning on the machine

- Turn on the machine using the main switch.
- Start the fan. Select a speed that blows out dust and chaff without losing any of the main product.
- Start the sieve box and adjust the speed according to the cleaning requirements.



Adjusting the grain catch plate

Loosen the star knobs, pull the grain catch plate to the desired height, and tighten the knobs.



Adjusting the sieve cleaner (hammer mechanism)

A hammer mechanism is installed to prevent the lower sieve from clogging. To adjust it, turn on the sieve box and turn the corresponding star knob on the side of the machine until the hammer lightly touches the underside of the sieve and a knocking sound is audible.



Maintenance and cleaning

Clean the device after each use. When using compressed air, wear a dust mask, safety goggles, and hearing protection.

Disposal



This device must not be disposed of with household waste. At the end of its service life, please bring the device to the available state or municipal return and collection systems for waste electrical and electronic equipment.

The disposal of this device is subject to the European WEEE Directive (2012/19/EU) in its currently valid version, as well as the corresponding national laws.



EG-Konformitätserklärung

Für das folgende bezeichnete Erzeugnis

CERPUR Getreidereiniger CP1

Konformitätserklärung im Sinne der EG-Richtlinie Maschinen 2006/42/EG, Anhang II A wird hiermit bestätigt, dass es den wesentlichen Schutzanforderungen entspricht, die in der Richtlinie des Rates zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über die Maschinenrichtlinie (2006/42/EG) Niederspannungsrichtlinie (2006/95/EG) EMV-Richtlinie(2004/108/EG) festgelegt sind.

Für die Beurteilung und Auslegung des Erzeugnisses wurden folgende harmonisierte Normen herangezogen:

EN ISO 12100:2010-11

EN 60204-1/A1 (2009 02)

Diese Erklärung wird verantwortlich für den Hersteller

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Mogersdorf

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Imprint

All information, specifications, and illustrations are current as of 2026, subject to technical modifications or design changes.

Despite careful preparation, all information in this manual is provided without guarantee. Any liability on the part of the author is excluded.

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