



Instructions for Installation and Use

RMP 02 - Automatic Rotary Brush Sole Washer

BASIC TECHNICAL DATA

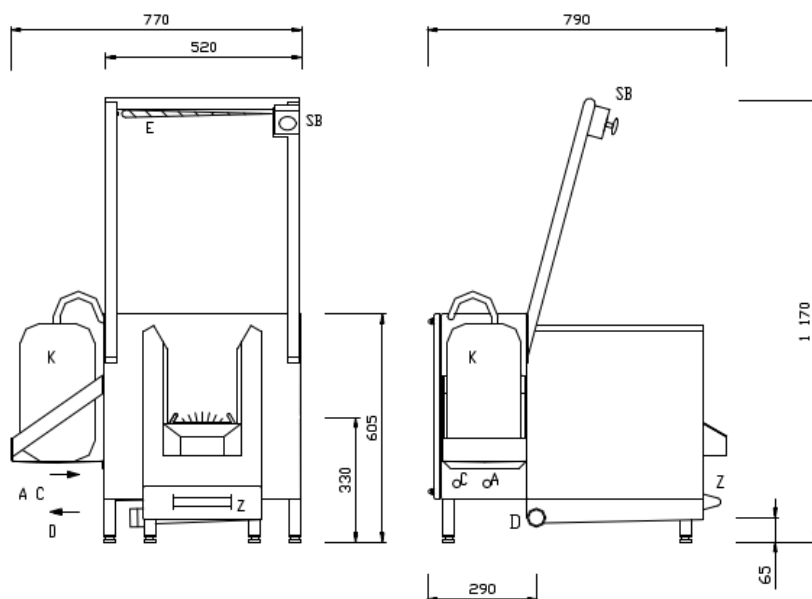
Equipment capacity:	100 pairs of boots per hour according to the degree of soiling
Electrical connection:	230 V, 50 Hz
Equipment power input:	0.4 kW
Protection class:	IP 55
Equipment weight:	43 kg
Water supply:	1/2"
Water temperature:	max. 42°C
Water pressure:	0.1-0.6 MPa
Drain:	1 1/2" without stink trap
Dimensions:	L:790 x B:770 x H:1170
Recommended disinfectants:	SANITASE - 10 litre container
Recommended solution concentration:	0.5%
Website:	RMP 02

Features of the Rotary Sole Washer

- The rotary washer is used to remove dirt and disinfect soles mainly in the food industry.
- By gripping the machine handle, the optoelectronic sensor is blocked and the whole device is activated. A horizontal brush spins, **wetted with water with a diluted cleaner and disinfectant**. At the same time, the functional area of the washer is rinsed with clean water. The worker places the foot with the shoe on the grid and cleans the soles by moving them appropriately. Dirt is washed down the drain. Coarse dirt is trapped at the bottom of the dishwasher. When the handle is released, the device stops automatically. If the device needs to be cleaned, the brush can be removed and reinstalled without any tools.
- The trapped dirt is easily emptied. The device can be stopped by pressing the CENTRAL STOP button.
- Before commissioning, a hole with a diameter of 19 mm must first be made in the cap of the chemical container, and a grommet with suction hose must be fixed into it. This modified cap will remain a permanent part of the system and will replace the cap of each new container.

LEGENDA

A – G 1/2" water supply line,
C – CYKY 3Cx1.5 power supply through a switch corresponding to the specific environment and switching power,
D – G 6/4" waste via an odour trap,
E - active zone of the optoelectronic sensor,
K - canister,
SB – CENTRAL STOP.





Installation

- The device is placed freely on the floor.
- It is equipped with four adjustable legs, which allow it to be set in a horizontal position.
- The water supply must be made via a corner valve with a filter, which is included in the supply.

Setting the Concentration of the Disinfectant

- The concentration of the disinfectant is adjusted inside the washer using a ball valve on the hose leading to the brush rinser (not on the corner valve). The ball valve is used to set the water flow so that it corresponds to approx. 12 l/min., which corresponds to a concentration of 1:200 at a disinfection flow rate of 4 l/hour.

Caution

- The operator must ensure that under no circumstances the water in the solenoid valve freezes – otherwise the valve will be irreparably damaged.
- Water at a temperature higher than 42°C must not be allowed into the device, otherwise the rotary brush will be irreparably damaged.

Technical Description

- The load-bearing part of the washer is the body of the housing with a welded tub. An electric motor with a gearbox is mounted in the housing, powering the drive of the rotary horizontal brush, which is located in the lower part of the tub. A grate is placed above the brush, over which its bristles extend. The device also has a dual water distribution system, a chemical dosing mechanism, an electrical switch box and a sieve to catch coarse dirt in the area under the rotary brush. A two-handed handle is attached to the upper surface of the housing to enable a safe stance when cleaning one's own shoes. Under the handle there is a space that is intersected by the beam of the optoelectronic sensor. A CENTRAL STOP button is located on the right side of the handle. When pressed, the washer will stop immediately. Restarting is possible after unlocking it (turning the red cap). The washer can be used at the earliest 10 seconds after it is switched on (an electronics test is in progress).
- The interior space of the housing is covered by a screwed lid.
- The entire rotary washer is made of stainless steel. It stands on the floor on four height-adjustable legs.

Operational Safety

- Electrical equipment may not be meddled with by persons without electrical qualifications and knowledge of basic electrical and safety regulations. The electrical system must undergo regular maintenance and inspections as prescribed by the applicable standards and regulations.
- Employees who perform maintenance must be properly and demonstrably instructed and familiar with the operated equipment and warned of the associated dangers that may arise during their work. They must particularly be familiar with first aid measures in the event of electric shock and emergency measures in case of fire, etc.

Maintenance and Cleaning

- The device was made from the stainless steel of quality corresponding with ČSN 17 240 (AISI 304) standard and, therefore, it must not be operated in chemically-aggressive environment and
- **Preparations containing chlorine must not be used for its cleaning!!**
- Cleaning agents by WÜRTH are recommended:
 - Metal renewal agent - Order No. 893 121 1
 - Stainless steel spray treatment - Order No. 0893 121 – K.



Basic cleaning

- Spray the brush including the surrounding area with pressurised water and clean the sieve.

Cleaning at the end of a shift

- Fold down the grate above the horizontal brush.
- Remove the horizontal brush - with one hand, slide the brush against the spring behind the ball bearing and tilt the brush itself over the ball bearing. This also provides top access to the sieve area of the washer tub and the drain hole.
- Clean the brush and surrounding area.
- Insert the brush back into the washer following the reverse procedure to dismantling.

Dismounting the brush for cleaning the washer can be done without any tools.

Maintenance and cleaning of the shoe washer can only be carried out when the main switch is turned off. Merely pressing the CENTRAL STOP button is not sufficient.

Maintenance

- Maintenance consists simply of checking the bolted connections once a month.

Water distribution

- If the valve does not close, dirt has probably got under the diaphragm and the valve will need to be cleaned. Remove the three screws holding the coil. Remove the coil, carefully remove the plastic cap of the core (do not lose the spring). Remove the diaphragm, clean the area below. Check the throughput of both holes in the plastic centre of the diaphragm and reassemble the valve. When reassembling the fixture (if the valve has been removed from the fixture) it is necessary to observe the direction of water flow through the valve. In the reverse direction the valve will not close. The direction of water flow through the valve is indicated by an arrow at the bottom of the valve.
- If the suction hose is aerated, it is necessary to close the corner valve on the water inlet, hold your hand on the handle to allow the chemical to be sucked in, and only then release the corner valve.
- If the machine does not respond to gripping the handle, the sensors located under the handle are probably dirty.
- Switch off power before cleaning the sensors.

List of spare parts

- 3-210 BRUSH 1 piece