



## Installation and operating instructions

### AUL 01.1 - Stainless steel wash-troughs, 1250 mm

#### BASIC TECHNICAL DATA

Supply voltage:	12 V, 50 Hz
Input:	12 VA
Recommended voltage source:	ZAC 1/20, ZAC 1/50
Water pressure:	0.1 – 1.0 MPa
Weblink:	<a href="#">AUL 01.1</a>

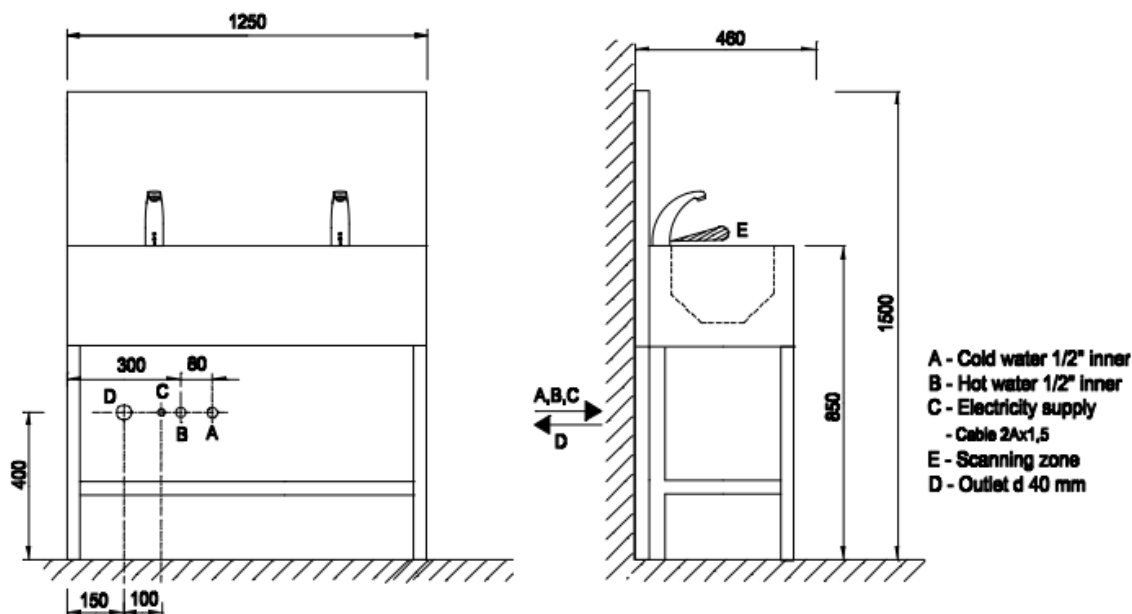
#### Description of the stainless steel trough

- AUL 01.1 is a single-sided stainless wash trough intended for being placed on the floor adjacent to a wall and to be connected to a cold and hot water supply line. The trough is fitted with two taps with contactless control and a thermostatic valve. When placing hands in the area under the tap (the scanned area) the control electronics are activated which is indicated by a flashing indicator on the sensor and the electromagnetic valve opens the water supply. When removing hands from the trough the indicator goes off and with a preset time delay (dwell time) the electromagnetic valve shuts down the water supply. The amount of flowing water is regulated by the corner valves for each tap separately, the temperature is regulated by a thermostatic valve jointly for all taps. In the case of permanent blocking of the sensor, the electromagnetic valve turns off the water after 30 seconds. Individual taps operate independently (with exception of temperature setting). The sensor range is set automatically upon connecting to the mains.

#### Installation

##### Requirements for setting up construction

- It is necessary to prepare a water supply at 400 mm from the floor, ca 300 mm from the respective trough end.
- A filter for removing of mechanical impurities from the water must be installed in the inlet to the trough or a group of troughs.





3. It is necessary to prepare a drain  $d = 40$  mm at 400 mm from the floor ca 150 mm from the selected trough end.
4. It is necessary to prepare a power supply 12 V AC from safe voltage source ZAC – cable CYKY 2A x 1.5 at 500 mm, ca 250 mm from the end of the trough, where the water supply is implemented.

### Assembly of the trough

1. Place the trough in its position and level it using the adjustable feet.
2. Screw the corner valves with filters into the supply tubes with internal threading. Turn the valve outlets so as to prevent kinking of the supply hoses.
3. Connect the trough so that the hot water is connected to the red marked inlet threading (hose) and cold water to the blue marked inlet threading (hose). **In the case of incorrect connection the thermostatic valve will not work!**
4. Route the drain pipe into the waste pipe.
5. Connect the 12V, 50 Hz electronics supply cable – the outlets from the electronics housing must be always oriented downwards.
6. Turn on the ZAC source of power supply. After turning on the device, the indicators flash 5 times and then the sensitivity is automatically set. **During setting, the area in front of the sensor must be free – the sensor must be reading anything!**
7. Set the flow rate using the corner valves at the individual taps and the temperature using the thermostatic valve.
8. The dwell time (time when water keeps flowing after removing hands from the scanned zone) is set by the manufacturer to 1 s. If necessary this time may be changed using the remote control device which is not included in the supply and must be ordered separately. It is possible to set the dwell time only within 20 minutes of connecting to power supply! When the dwell time has been set, the tap is restarted and the activation stage commences – see article 6

### Warning

- The automatic wash trough can only be connected to the ZAC power source, otherwise the manufacturer does not provide guarantee for reliable operation and does not assume liability for potential damage caused by another power source.
- The equipment can only be connected by a person with the corresponding qualifications and professional competence.
- Before activation, it is necessary to perform an initial inspection of the electrical equipment pursuant to the applicable standards.
- The owner is obliged to perform regular inspections of the electrical equipment throughout its use.

### Supplied components

wash trough with casing	1 piece	corner valve with filter	4 pieces
tap with electronics	2 pieces	plastic trap pipe	1 piece
plugs for adjustable feet	4 pieces	connecting hose	2 pieces
thermostatic valve	1 piece	small assembly material	
solenoid valve	2 unit		



## Defects not covered by the warranty and their removal

Defect	Likely cause	Remedy
Not flashing upon activation	Power supply not connected Connection to 230 V	Connect the power supply Destroyed beyond repair
Only little water is running	Clogged filter	Clean the corner valve filter
Water is not running	Polluted sensor	Clean the sensor
The water keeps running – the electronic system works correctly	Dirt in the solenoid valve	Clean the valve
Short range	Obstacle in front of the reading head – electronics are picking this obstacle	Remove the obstacle
Electronics are in order – water is not running	The equipment is connected to a switched power source (e.g. Halogen lighting) – electromagnetic valves do not operate at higher frequencies	Use the specified power source
It is not possible to set the water temperature	Thermostatic valve not connected correctly Impurity in the clock valve at the inlet into the thermostatic valve	Connect it correctly Disconnect the house at the valve inlet and clean or replace the clock valve

## Maintenance and cleaning

- The device was made from the stainless steel of quality corresponding with ČSN 17 240 (AISI 304) standard (other materials, e.g. AISI 316, made to order) 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.
- When used in the same surrounding in which standard steel is processed, superficial corrosion can appear due to the sediments of metal particles on the bottom of the trough. It is necessary to rinse well the trough after every usage to remove this possible deposits of corrosion.

### Warning

- If the wash trough is used in premises where carbon steel is processed, steel particles deposited at the trough bottom may cause surface corrosion. Therefore it is necessary to wash the trough properly after each use and thus remove potential source of corrosion.

### Cleaning of the valve

- 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 passability of both holes in the plastic centre of the diaphragm and reassemble the valve. Observe the water running direction during reassembly – it is marked by an arrow on the valve.