



## Installation and operating instructions

### AUM 07S.TV - Sensor-controlled stainless steel washbasin with sanitation container for knives and thermostatic valve

#### BASIC TECHNICAL INFORMATION

Power supply:	230 V, 50 Hz
Power requirement:	800 W
Electricity protection:	IP 54
<u>Washbasin:</u>	
Radius of sensor:	0 – 0,4 m (adjusted automatically)
Adjustable time of water flow:	0 – 4 s (manufacture adjustment to 1 s)
Water pressure:	0,1 – 1,0 MPa
Inner dimensions of sink:	300x240x100 mm
<u>Sanitation container:</u>	
Temperature of sanitation liquid:	83 °C (-1°, +3°)
Capacity of container:	3,5 l
Approx. time of water heating up from 20°C:	20 minutes
Weight:	12 kg
Weblink:	<a href="https://www.azp.cz/AUM07S.TV">AUM 07S.TV</a>

#### Description of function

- AUM 07S.TV is a sensor-controlled stainless steel washbasin with knife sanitation container intended for assembling in slaughter lines or onto a wall with limited space and to be connected to hot and cold water. The water temperature is adjusted by means of thermostatic valve.
- Wall-mounted washbasin** is equipped with sensor-controlled outflow arm. The water flows automatically when hands are inserted into the scanning zone (placed under the outflow arm) and the electronics is activated. This is indicated by blinking of the pilot light on the photocell head and the electromagnetic valve opens the water inlet. After removing the hands from the zone of scanning the pilot light turns off, electromagnetic valve is closed and after a set time of delay the water stops running. Amount of the flowing water is regulated by spherical valve; water temperature is set by thermostatic valve. The water automatically stops flowing after the sensor has been screened for 30 sec. The scanning zone is set automatically after switching on the power supply.
- The water in the **sanitation container** is heated by means of the electric heating body placed under the container (this protects the body from boiler scale sediment). The water temperature of 83 °C in the container is kept up by means of an electronic temperature regulator with a digital display where the water temperature is indicated. When the sanitation container is switched on, temperature display shows "88" for approx. 5 sec. (control of display). After this time the real water temperature is indicated on display. If the temperature is lower than 83 °C, the heating body is switched on which is indicated by red dot behind the temperature data on display.
- If the container is switched on with no water in it or if water is leaking during the operation overheating will follow (the temperature of heating body increases above 100 °C). This is indicated by "EE" on display (failure) and the water heating is automatically switched off by the electronic temperature regulator. To continue with sanitation it is necessary to switch off the electric power supply, refill water after the heating body has cooled off and again switched on the electric power supply. **Attention – in this case**



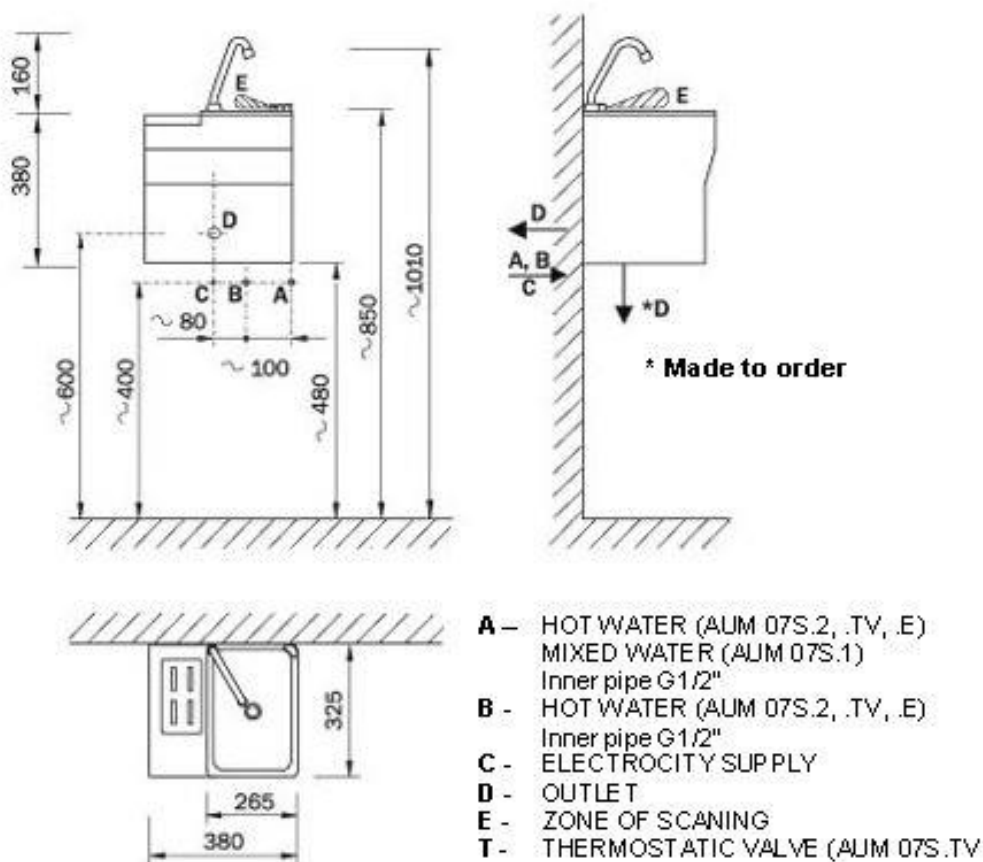
water can be refilled only after the heating body cooled off – otherwise the heating body can be damaged!!

- If the sanitation container is filled with hot water, the “EE” signal may start blinking on display. In such a case switch off the electric power supply for about 30 sec. and switch it again on.
- The sanitation container is equipped with inlet and outlet valves and spillway to ensure a maximum height of water level. When sanitation is in process the inlet valve has to be ajar (open) to ensure continuous water exchange in the container. Do not open the valve too much – the water temperature should not drop below 82 °C

## Installation

### Pre-installation preparedness

1. Set-up water inlet as per picture (pipe 1/2")
2. A **filter** must be set in the water inlet to the washbasin or group of washbasins to remove mechanical dirt from the water.
3. Set-up water outlet for the pipe d = 40
4. Set-up cable CYKY 3C x 1,5 for power supply – 230V, 50Hz (for better protection connect the cable through the current protective switch). The electric power supply input into the washbasin must be set-up with the main switch appropriate for the given surrounding condition.





## Assembly

1. Set-up the anchoring spins into the joggles in the wall.
2. Into the water inlet with inner bolting screw on the corner valves with filter. Outlets of corner valves turn in such a direction in order to prevent the hoses from breaking.
3. Hang up the washbasin, set the drain pipe  $d=40$  into the waste piping and screw in the spins in the bottom part.
4. Connect the washbasin by means of the flexible hoses. Hot water must be connected to the red marked inlet screwing and cold water to the blue-marked inlet screwing. If connected conversely, the thermostatic valve will not work!
5. Connect the protective conductor (cable) to the connecting pin (G – on the picture).
6. Connect the electric cable from the main switch (CYKY 3C x 1,5) to the connecting block placed under the sheathing of the washbasin.
7. Turn on the main switch of the electric power supply input – water heating switch must be turned off at this moment!!! After switching on the power supply the pilot light at the head blinks 5x and then automatic setting of the scanning zone follows. The space in front of the photocell sensor must be free while adjusting – do not screen the sensor! In case in front of the photocell sensor is an object while adjusting, the set zone will be short (the scanning zone is automatically set to this object). It is necessary to switch off and on the power supply – the scanning zone will be automatically re-set.
8. The time of water flow (that means flowing of water after removal of hands from scanning zone) is adjusted to 1 s by the manufacturer. Eventual change of time of water flow must be carried by means of DO remote control, which is not part of the delivery and must be ordered separately. Setting of water flow can be carried out only to 20 minutes after switching on the source of power supply. After setting the time of water flow restart of the tap happens and is set mode as per point 6.
9. Set-up the amount of water flow with spherical valve and water temperature with thermostatic valve.
10. By opening of the inlet valve fill up the sanitation container up to the level of the spillway (over-flow)
11. Turn on the switch for water heating (display of the water temperature regulator turns on, starts water heating and the control light of water heating turns on).
12. Check the function of the water temperature regulator – when water is heated up to 83 °C water heating must stop automatically. (During the first water heating may the temperature rise above the level of 83 °C for a short period of time). By means of inlet valve set up the rate of water exchange in the sanitation container.

## Notice

- The automatic washbasin AUM 07S.TV must be connected to the electric power supply of 230 V, 50 Hz secured with the electric protective element of 6 or 10A.
- The electric power supply input should be equipped with main switch, suitable for the given surrounding and fulfilling the requirements for the main switch according to the norms valid for specific country.
- Electric connection can be carried out only by qualified and competent worker. It is necessary to carry out initial revision of electric devices before starting operation. The user is obliged to carry out revisions of the electrical device during operating life. The regular revisions can be carried out only by qualified and competent worker – all the safety instructions must be respected.

## Explanation and delivery parts

Stainless steel washbasin with sheathing	1 pc.	Sanitation container with sheathing	1 pc.
Outflow arm	1 pc.	White plastic grid for knives	1 pc.
Electronics in casing	1 pc.	Heating body	1 pc.
Electromagnetic valve	1 pc.	Electronic thermostat	1 pc.
Corner valve with filter	2 pcs.	Sanitation container switch	1 pc.



Source of power supply ZAC S	1 pc.	Inlet, outlet and spherical valve	1 pc.
Waste siphon	1 pc.	Thermostatic valve with clack valve	1 pc.
Connecting hoses	2 pcs.	Fittings	

## Non-warranty failures / troubleshooting

Failure	Cause	Solution
The pilot light will not blink when connected to power supply	Not connected to source of power supply	Connect power supply
Not enough water flows	Dirt in filter	Clean filter of the corner valve
Water does not flow	Dirt in the lens of the scanner	Clean the scanner
Water flows constantly – electronics work properly	Dirt in the electromagnetic valve	Clean the valve
Short scanning zone	An obstacle in front of the head – electronics scan this obstacle Damaged photocell head	Remove the obstacle
Not possible to adjust water temperature	Wrong connection of thermostatic valve Dirt in the clack valve of the thermostatic valve input.	Connect it in right way Disconnect the input hose of the thermostatic valve and clean or exchange the clack valve

## 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.
  - If corrosion has already occurred, it can be removed with a cleaner INNOSOFT B 570 from the company Emergo.
- Clean the washbasin with wet cloth, use standard detergents. Do not use detergents containing chlorine and its allied substances. These may damage the product surface significantly!!
  - Clean regularly the lenses of the sensor – dirt in the lenses is the most frequent reason of malfunction.
  - When cleaning the sanitation container turn off and secure in switched-off position the main switch of electric power supply.
  - Take out the white plastic plate of the sanitation container and wash it with suitable cleaning and disinfecting solution.
  - Remove regularly the boiler scale sediments from the inner part of the sanitation container.
  - Examine regularly the tightness of all joints.
  - The user of the product AUM 07S.TV is obliged to consult the way of cleaning and sanitation of the container with authorized hygienic body.

## Valve cleaning

- Unscrew three screws that hold the inductor. Remove the inductor and carefully extract a core's plastic cover (beware of losing the spring). Extract the membrane and clean the area below it. Check permeability of both holes in the membrane's plastic centre and reassembly the valve. When reassembling the valve, it is necessary to retain the direction of water flow – it is marked by an arrow on the valve.



## Note

- 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.