



Installation and operating instructions

SA 2.TV - Shower fittings, surface version with a thermostatic valve

BASIC TECHNICAL DATA

Supply voltage:	from an MAS coin-operated control
Power input:	4 VA
Water pressure:	0.1-1.0 MPa

Function of the fittings

- The fittings are not intended for separate operation – they can only work with MAS-series coin-operated controls made by AZP Brno s.r.o.
- After the button is touched, water will start running. Its flow can be stopped at any time by touching the button again. This may be repeated until the prepaid water dose has been exhausted.
- The temperature of the water running out is set by means of a thermostatic valve.

INSTALLATION

Construction readiness

1. Water inlet terminated with a 1/2" internal thread, pitch 90-160 mm
2. It is advisable to fit a filter in the water inlet of the fittings or a group of fittings to remove mechanical impurities from the water.
3. Two double-core cables (it is advisable to use a shielded cable for connecting the piezo button) are prepared between the shower fittings and coin-operated control (a combining box in the case of MAS 2).

Mounting

1. Screw angle valves into the inlet of both hot and cold water. Turn their outlets in such a way to prevent the connecting hoses from breaking.
2. Connect the hose marked in red to hot water and the hose marked in blue to cold water.
3. If they are connected incorrectly, the thermostatic valve will not work!
4. According to the instructions in the coin-operated control connect the valve and piezoelectric button. Polarity does not matter but the button must not be connected to the outlet for the valve – this will result in its destruction.
5. Hang the top side of the cover on the frame, push the bottom side to the wall and secure the cover by unscrewing the Allen screws.

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.

Cleaning the valve

- Screw out three screws holding the coil. Remove the coil, take out the plastic cover of the core carefully (be careful not to lose the spring). Take out the membrane, clean the space under it. Check both openings in the plastic centre of the membrane for patency and assemble the valve. When remounting the valve it is necessary to respect the direction of flow of water – it is indicated with an arrow on the valve.

Faults and elimination thereof

Fault	Probable cause	Elimination
A small amount of water is running.	A clogged filter.	Clean the filter of the angle valve.
Water keeps flowing; the electronics of the coin-operated control is working correctly.	Impurity in the electromagnetic valve.	Clean the valve.
The electronics are working correctly but water is not running.	The device is connected to a switched-mode power supply (e.g. for halogen lighting) – electromagnetic valves do not work at higher frequency.	Use the prescribed power supply.
It is not possible to set water temperature.	An incorrectly connected thermostat valve.	Connect it correctly.
	Impurity on the check valve on the inlet into the thermostatic valve.	Disconnect the hose on the inlet into the valve and clean or replace the check valve.
	A limited flow rate of one type of water – a clogged filter of one valve, a great difference in pressures on hot and cold water.	Clean the screen. Eliminate the cause of the pressure difference.