



Installation and operating manual

Stainless steel washbasin with battery supply in cold or heat treated water versions (.1); hot and cold water connection versions (.2 or .TV)

Description and functions of the washbasin

- The washbasin is in all-stainless steel design and can be hung on the wall or screwed to the floor - depending on the type of washbasin.
- The washbasin is equipped with an outflow arm through touchless control. After placing the user's hands into the basin area (sensing zone), the control electronics are activated, which is indicated by a flash of the indicator light in the sensor and the electromagnetic valve opens the water supply. After removing your hands from the basin after time-out period the electromagnetic valve closes and the water stops. The amount of water flowing out is set by a ball valve (TVB version) or by corner valves (.1B; .2B;)
- The temperature is set using a thermostatic valve (version .TVB) or corner valves (versions .1; .2;). The thermostatic valve is equipped with a fuse at a temperature of 38°C; the higher temperature can be set only after it has been unlocked. The water stops flowing automatically if the sensor has been screened for longer than 30 seconds.
- The sensor range is set automatically when the power supply is switched on (batteries inserted).

Start/Stop function

- When the sensor is briefly screened (min. 0.5 s), the control electronics are activated and the electromagnetic valve opens immediately. By repeatedly screening the sensor, the electromagnetic valve closes and stops the water. If no screening of the sensor takes place, water automatically stops running after laps of preconfigured period (the water flow).

Switching from Automatic washbasin mode to Start/Stop mode

- Switch off the supply voltage and wait about 10 s. Then point the remote control at the sensor in the arm, hold the DOSAH (RANGE) button and switch on the supply voltage. The indicator light flashes and proceeds with 6 flashes to confirm the Start/Stop mode. Release the range button on the remote control - the sensitivity is adjusted automatically, which is indicated by a fast flashing of the indicator light. The space in front of the sensor must be kept clear throughout the adjustment process. If there is an obstacle in front of the washbasin tap before setting, the range will be small after it has been removed (the range has been automatically set to this obstacle). In this case the batteries must be removed and re-inserted (wait for the capacitor to discharge) - the sensitivity will be automatically set again. (The same procedure can be used to change the Start/Stop mode to Automatic washbasin mode with underarm range, except that the indicator light flashes 5 times after changing the mode).

Installation of automatic washbasin

Site preparation for assembly

- Water supply Tr 1/2" according to the type of washbasin. It is recommended to install a filter in the water supply to the washbasin unit or group of washbasin units to remove mechanical impurities from the water.
- Ready drain assembly for pipe d=40 (50)



Assembly of automatic washbasin

1. Fit the top hanging rail (if the hanging rail is included), or fasten the washbasin with screws into the wall dowels. Screw the free-standing washbasin into the floor.
2. Screw the corner valves with filter into the water supply pipes with female thread. Rotate their outlets so that to prevent connection hose breakage.
3. Connect the washbasin with flexible hoses. In the .TV version, the hose marked in red must be connected to hot water and the hose marked in blue to cold water. **If connected incorrectly, the thermostatic valve will not work!**
4. Plug the waste pipe into the discharge piping.
5. Insert the batteries into the holder - beware of reverse polarity - inserting the batteries backwards will damage the electronics.
6. When the battery is inserted, the range is automatically adjusted, indicated by the flashing of the LED indicator. **When adjusting, there must be a clear space in front of the sensor - the sensor must not be obstructed!**
7. After inserting the batteries into the case, hang it so that the cable coming out of the case is pointing downwards. It is forbidden to operate the case in any other position - risk of flooding (the same applies to the case with control electronics).
8. The after-flow delay time (water flow after removing hands from the sensing zone) is set by the manufacturer to 1 s. If necessary, this value can be changed using the remote control, which is not included and must be ordered separately.
The adjustment of the after-flow delay time can only be made within 20 min after the power is switched on! After setting the after-flow delay time, the washbasin tap restarts and the status after switching on takes place - see point 6.
9. Adjust the amount and temperature of the water flowing out.
10. Screw in the bottom partition and insert the cover (if the washbasin includes this cover).

Warning

- The automatic washbasin can only be connected to a DC voltage of 6 V (4 pcs of 1.5 V cylindrical batteries), otherwise the manufacturer does not accept any guarantee for reliable operation and liability for any damage caused by connection to other voltages.
- When replacing the batteries, use only new alkaline ones and do not mix old and new ones. When batteries with a voltage less than 6.0 V are inserted, the electronics will not work. Dropping the battery voltage below the critical threshold, the indicator light will start flashing until the complete battery discharge.
- **1.2 V accumulators cannot be used - the electronics do not work due to low voltage!**

Note

- The after-flow delay time setting can be adjusted using the remote control.
- The remote control is not included with the automatic washbasin.
- It can be ordered separately and is applicable to all AZP Brno products with sensors.
- **The product can only be set up within 20 minutes after turning on the power.**

Delivered components

| | | | |
|--------------------------|----------|--------------------------|----------|
| sink with sheathing | 1 pc | thermostatic valve | 0 (1) pc |
| outlet arm | 1 pc | ball valve | 0 (1) pc |
| electronics with sensor | 1 pc | waste trap | 1 pc |
| electromagnetic valve | 1 (2) pc | connecting hose | 1 (2) pc |
| corner valve with filter | 1 (2) pc | small assembly materials | |
| AA-size battery | 4 pcs | battery case | 1 pc |



Non-warranty failures and their remedies

| Failure | Possible cause | Remedy |
|--|--|--|
| 2x flashes when approaching, water does not flow, 1x when moving hands away, water flows | Reversed cable polarity on electromagnetic valve | Reverse cable polarity on electromagnetic valve |
| Little water flow | Clogged filter | Clean the filter of corner valve |
| Water is not running | Dirty sensor | Clean the sensor |
| Sensing – 2x flashes when approaching, water does not flow, 1x when moving hands away, water flows | Impurities in the electromagnetic valve | Clean the valve |
| Small range | Obstacle in front of the sensing head - the electronics detect this obstacle or the scratched window | Remove this obstacle Replace the window |
| The indicator light keeps flashing, the water is not flowing | Discharged batteries | Replace batteries |
| The water temperature cannot be set | Improperly connected thermostatic valve Impurities in the non-return valve at the inlet to the thermostatic valve | Connect properly Disconnect the hose at the valve inlet and clean or replace the non-return valve |

Cleaning and maintenance

- The device is made of stainless steel of quality according to ČSN 17 240 (AISI 304), therefore it must not be operated in a chemically aggressive environment.
- !! For its cleaning never use chlorine-containing products !!**
- If the washbasin is made of stainless steel of quality according to ČSN 17 346 (AISI 316), the concentration of dissolved free chlorine may be max. 0.1 mg/l.
- Recommended products are Innosoft B 570 or from WÜRTH company:
 - cleaner – art. no. #893 121 1
 - preservation – art. no. #0893 121 K.
- LARRIN cleaner is recommended for chrome-plated parts.
- No other methods of cleaning and assembly of the product not specified here are permitted.

Cleaning the valve

- Unscrew the three screws holding the coil. Take off the coil, remove carefully the plastic core cover, (be careful not to lose the spring). Remove the membrane and clean the space under it. Check the permeability of both holes in the plastic centre of the diaphragm and assemble the valve. When reinstalling the valve, the direction of water flow must be observed - it is marked by an arrow on the valve.

Warning

- If the products are used in areas where the so-called "black" steel is processed, the particles deposited on the surface of the stainless steel can cause corrosion.
- It is therefore necessary to clean the surface regularly to remove potential corrosion deposits.