Instructions for installation and use

AFO 01.SCL - Drinking fountain with cooler and automatic control, spout for filling bottles

BASIC TECHNICAL INFORMATION

Water inlet:	G 1/2" female thread
Water pressure:	0,1 – 10 MPa
Outlet:	d = 40 nebo 50 mm
Inner bowl dimensions:	d = 245 mm
Power supply:	230 V, 50 Hz
Power requirement standard/for cooling	10 VA/250 VA
Water regulated temperature:	5 – 20 °C
Recommended water temperature:	13 – 17 °C
Water running time:	10 s
Weblink:	AFO 01.SCL

Description and intended use

- AFO 01 SCL is a drinking fountain made of stainless steel with cooler and piezo button controls. Fountain enables drinking of cold water (after touch the button on the right) and unregulated water (left button). It is possible to run both water in the same moment – flow is unchanged and run mix of cold and uncold water.
- Fountain enables filling of PET bottles (max. volume 0,75l) – controlled by piezo button on the front side.
- Water starts running after touch the button and runs according to pre-set time, if it is not stopped by touch the button again (Start-Stop function). The electronic enables to set pause after stop running water, which means, that during this time is impossible to run water.
- The time for pause is set for 0 sec. from the production. Water can be run all the time.

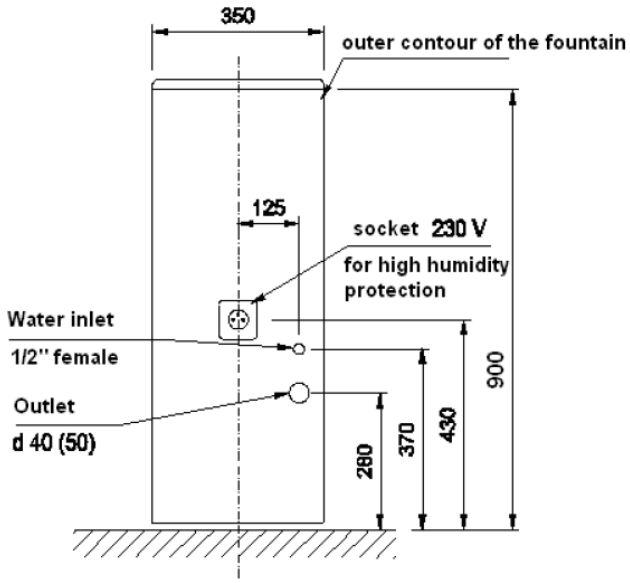
Installation of drinking fountain

Requirements for setting up construction

1. Set up water inlet with 1/2" male thread
2. Set up outlet for HT pipe d 50 (40) mm
3. Set up socket 1f connected via circiut braker with electrical current 30 mA.
4. Set up conductor for safety connection.

Installation

1. Loosen screws on the cover and slide the cover forward.
2. Mark a spot on the wall to which the drinking fountain shall be screwed. The fountain must stand on the floor and at the same time be screwed to the wall. If the top edge of the fountain is required to be in an elevated position, the fountain may be screwed higher to the wall – feeding and drainage pipes must be placed higher, too.



3. Screw the fountain to the wall with suitable anchoring elements (according to the wall type).
4. Connect the feeding pipe with a corner valve to the water supply.
5. Connect the drainage pipe.
6. Connect protective bonding.
7. Insert the network plug to a socket.
8. Using a ball valve, adjust the water flow to the fountain so that the flow spouts approx. 15 cm high. Use the same ball valve for adjusting the flow of both cooled and non-cooled water.
9. Set the water-flow for bottle filling by proper ball valve
10. Put back the cover.

Setting

- All electronics must be set separately.
- The drinking fountain may be set only within 20 minutes after power supply is turned on. If it was connected for a longer time, turn off the supply voltage for approx. 5 seconds, then turn it on again and perform the setting within 20 minutes. To change from the operating mode to the setting mode, place the magnet approx. 30 mm by the control diode for at least 1 second.

Setting

- Place the magnet by the diode – red light will appear. If the magnet is not placed long enough (less than 1 sec) green light will appear – the electronics will return to its original condition.

Water running time

- Press the pushbutton shortly within 5 sec after the red light comes on. Press the pushbutton again to finish the setting and the electronics will change into the operating mode. The time between both pressings is the set time of water running.

Pause time

- After 5 sec since the magnet was placed by the diode, indicator will start flashing red and green and the setting of the pause time will start. Finish the pause time setting by pressing the pushbutton. If no pause is required (i.e. water will run for the time set every time the pushbutton is pressed), the pushbutton shall be pressed within 5 sec after the diode has started flashing red and green; zero time – no pause - will be set.

Temperature setting

- is to be done by turning the regulating wheel on the front side of the cooler; a suitable temperature shall be determined by testing.

Control diode conditions

- Operating
  - Green light on – under voltage, ready for operation
  - Red light on – pushbutton pressed
  - Green light flashing – valve triggered
  - Orange light on (green and red together) – pause
- Setting
  - Red light on – electronics changed to the setting mode
  - Red light flashing – setting the running time
  - Red and green light flashing alternately – setting the pause time

Possible problems and their solutions

Problem	Cause	Solution
After connecting to the electricity the pilot lights do not turn on	Not connected to the power supply	Connect the power supply
Water doesn't flow – after push the button, the pilot lights green	Damaged button	Change the button
Water flows constantly even after disconnection from electricity	Dirt in the valve underneath membrane	Clean valve
Not enough water flows	Choked filter before elmg. valve	Clean valve

Maintenance and cleaning:

Valve cleaning

- Screw out the three spins holding the coil. Remove the coil; carefully take out plastic covering of the core; (be careful not to lose the spring). Remove the membrane, clean the space underneath. Check out the clearness of both inlets in the plastic centre of the membrane and insert the valve. It is necessary to observe the water flow direction at the back assembly – it is indicated by an arrow on the valve.

Maintenance of filter

- A filter (sieve of 100 µm) must be used in water inlet to remove mechanical dirt off water! By this way push valve reliability be increased.
- **Latter claims because of internal mechanism damaging will not be accepted!**

- 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.