



Installation and Operating Manual

AFO 07 – Automatic Hexagonal Drinking Fountain for Open Spaces 1205031800 and 1205031810

Basic Technical Data

Water flow time:	1 s ÷ 45 min (step 1 s) – set to 10 s
Pause time:	0 s, 5 s – 45 min (step 1 s) – set to 0 s
Supply voltage:	12 V, 50 Hz
Power input:	18 VA
Water pressure:	0.1 – 0.6 MPa
Product website:	AFO 07

Description of the Drinking Fountain

- The drinking fountain is equipped with three mutually independent systems – water dispensing to the upper nozzle for direct drinking, filling cups (bottles), and water dispensing for dogs. When the button is pressed, water starts flowing from the nozzle and flows for the set time.
After the water flow has ended, the water can be started again by pressing the button again. After the second water activation, a delay time can be set. If the button is pressed during the delay time, nothing happens and no water flows. The delay time can be set from 0 to 45 minutes. If the delay time is set to 0, the water can therefore be started at any time by pressing the button.

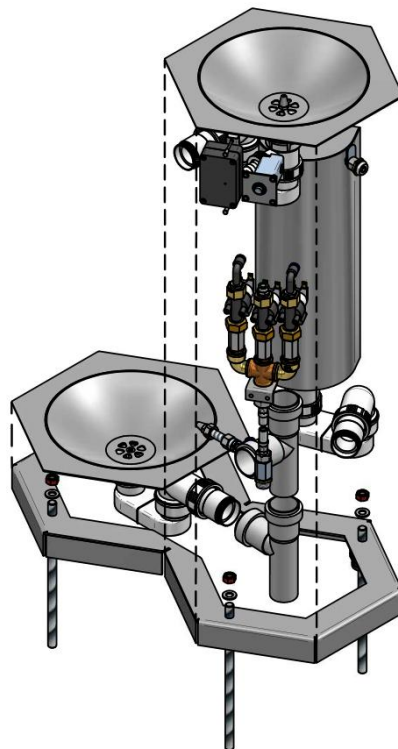
Installation

Site Preparation for Installation

- A concrete slab is prepared to allow installation of the threaded rods using chemical mortar.
- The water distribution line is completed with a 1/2" female thread. The supply must be located in the area of the high part of the drinking fountain, at least 50 mm from the edge. The length of the supply pipe must be 0–100 mm above ground level. A filter for removing mechanical impurities from the water must be installed in the water supply line.
- The waste outlet is prepared and terminated with a Ø 40 mm socket at ground level, located approximately in the middle of the high part of the drinking fountain.
- A 12 V, 50 Hz supply cable from the ZAC power supply is prepared.

Installation

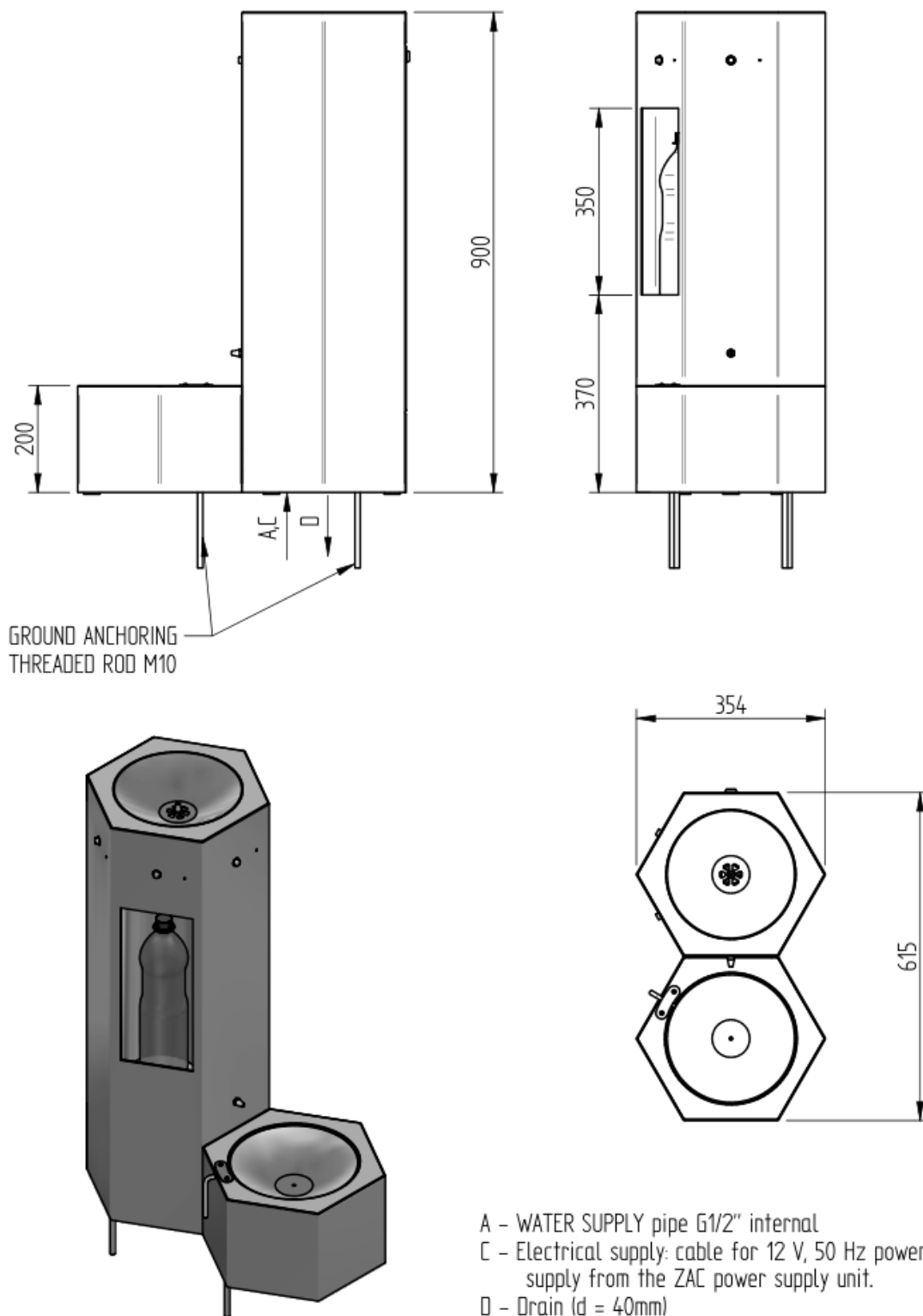
1. Remove the drain from the inside of the dog drinking bowl (unscrew the screw in the centre of the bowl and slide out the entire drain assembly).
2. Mark the 4 anchoring points, drill holes in the base slab and bond the threaded rods into them. The free end of each threaded rod must be at least 65 mm above ground level.
3. Adjust the levelling feet so that the drinking fountain is vertical.
4. Place the drinking fountain onto the threaded rods and tighten it with the supplied nuts and washers.
5. Refit the siphon into the dog bowl and connect the drains to the sewer system.
6. Connect the water supply using a flexible hose.
7. Connect the 12 V, 50 Hz supply voltage from the ZAC power supply.
8. Use the ball valves to adjust the water flow through the individual nozzles.
9. Close the door.
10. If the water flow time set by the manufacturer is not suitable, it can be changed





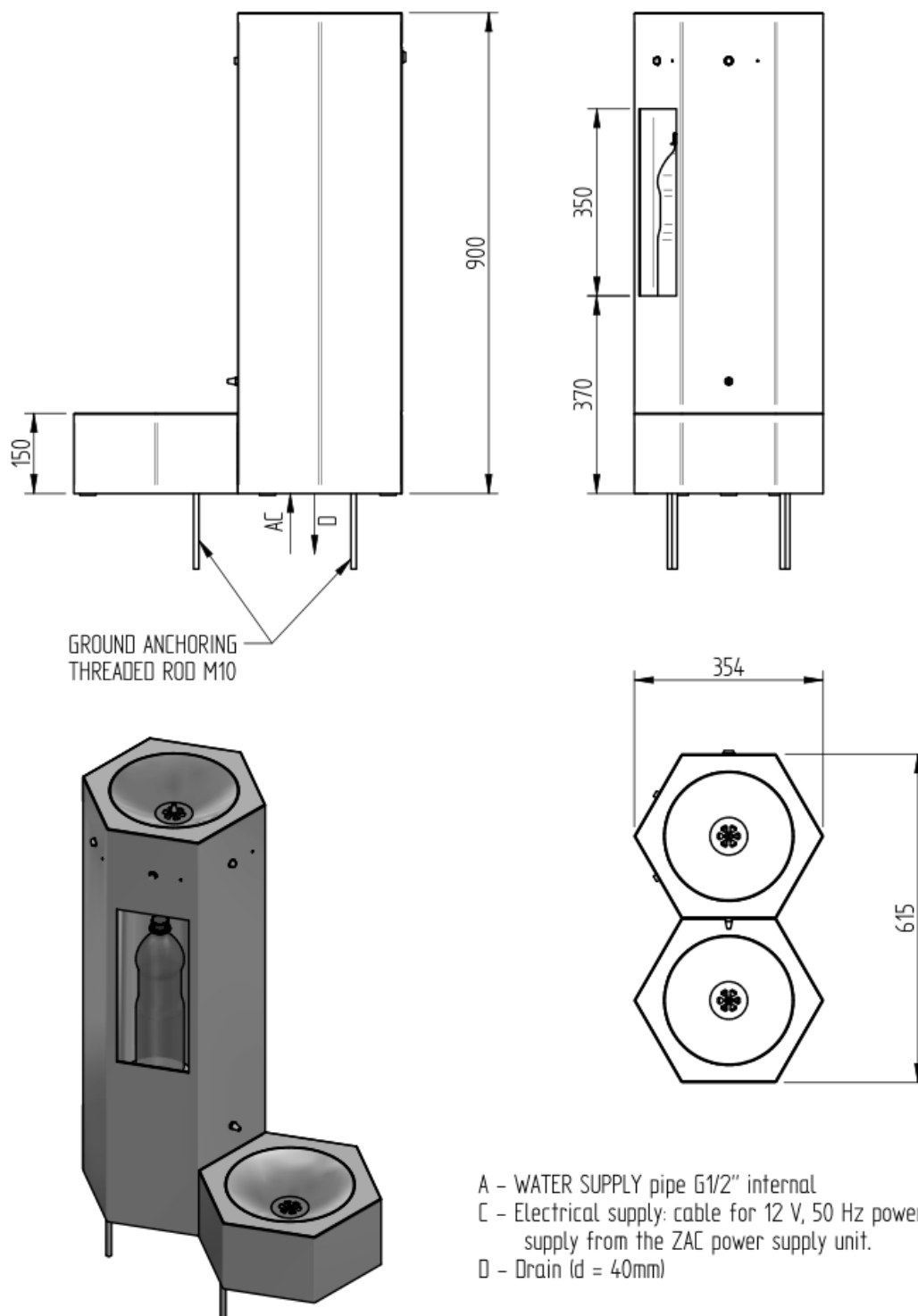
Diagram

1205031800 AFO 07 hexagonal 3-in-1 fountain for open spaces, 12 V, with fold-out bowl





1205031810 AFO 07 hexagonal 3-in-1 fountain for open spaces, 12 V, with fixed bowl





Settings

- The transition from operating mode to adjustment mode is made by placing the magnet diagonally below the indicator LED (approx. 30 mm below and 15 mm to the left). Each control electronics unit must be adjusted separately – see the separate section of the manual – PRSK control electronics adjustment. PRSK Control Electronics Adjustment
- adjustment is only possible within 20 minutes after switching on the power supply
- place the magnet against the magnetic field sensor (the presence of the magnet is indicated by the LED flashing red)
- after 2 [s], the control electronics switches to adjustment mode (LED lights red)

The control electronics is now ready for setting the water flow time.

- after pressing the button for the 1st time, setting of the water flow time starts (LED flashes red)
- after pressing the button for the 2nd time, setting is completed
- the time between the 1st and 2nd press is saved as the water flow time

The pause is set by remaining inactive for 5 s after applying the magnet and after the red LED lights continuously

- At this moment, pause setting starts (LED alternately flashes red/green);
- Pause setting is completed by pressing the button once;
- The time between the LED starting to flash (alternately red/green) and pressing the button is saved as the pause time;
- The control electronics returns to the default state (LED lights green);

Setting the Default Values

- 1) Disconnect the control electronics from the power supply;
- 2) Apply the setting magnet;
- 3) With the magnet applied, connect the control electronics to the power supply;
- 4) Keep the magnet applied until the LED starts flashing orange;
- 5) Move the setting magnet away;
- 6) At this moment, the default values have been set and the control electronics returns to the default state (LED lights green);

Default values:		Adjustable parameters of the universal control electronics:	
Water flow time:	5s	Water flow time:	1[s] – 45 [min]
Pause time:	5s	Pause time:	5[s] – 45 [min]

* If a pause shorter than 5 [s] is set, it is set to 0 [s].

Warning

- The drinking fountain may only be connected to a ZAC power supply. Otherwise, the manufacturer does not guarantee reliable operation and does not accept responsibility for any damage caused by connection to another power supply.
- Electrical connection may only be carried out by a worker with the appropriate qualification and professional competence.



- Before commissioning, an initial inspection of the electrical equipment must be carried out in accordance with applicable standards.
- During operation, the operator is obliged to carry out regular inspections of the electrical equipment.

Supplied Parts

Glass-bead-blasted casing	1 ks	Inlet ball valve	1 ks
Water outlet nozzle	3 ks	Drain siphon with flexible hose	3 ks
Box with control electronics and sensor	3 ks	connection hose	1 ks
Solenoid valve	3 ks	Threaded rod, washer, nut	4 ks

Non-Warranty Faults and Their Rectification

Fault	Probable Cause	Rectification
The indicator light does not light up after switching on	Power supply not connected Connected to 230 V	Connect the power supply Irreparably destroyed
Too little water flows	Clogged filter	Clean
After the first button press, water flows continuously – the indicator light changes colours correctly	Connected to a DC power supply	Connect to the correct power supply
Water does not flow – after pressing the button, the indicator light does not change colour	Check whether the sensor element in the sensor is loose	Tighten – if necessary, replace the control electronics with the sensor
Water flows continuously – the control electronics works correctly	Impurity in the solenoid valve	Clean the valve
The control electronics works correctly, water does not flow	Connected to a switched-mode power supply – the valves do not operate at higher frequency	Connect to the correct power supply

Note

If the drinking fountain is placed outdoors, the water must be drained from the drinking fountain before the winter season (no water may remain even in the valve – blow it out with compressed air), or the entire drinking fountain must be dismantled and stored in a frost-free building. If water freezes in the push valve, the valve will be irreparably damaged.

Cleaning and Maintenance

- The equipment is made of stainless steel grade according to ČSN 17 240 (AISI 304) and therefore must not be operated in a chemically aggressive environment.
- **!! Cleaning agents containing chlorine must not be used for cleaning !!**
- Recommended WÜRTH products:
 - metal restoration agent – Order No. #893 121 1
 - stainless steel care spray – Order No. #0893 121 K.
- Any cleaning or installation method not specified here is not permitted.

Valve Cleaning

- Unscrew the three screws holding the coil. Remove the coil and carefully remove the plastic core cover (take care not to lose the spring). Remove the diaphragm and clean the space underneath it. Check that both openings in the plastic centre of the diaphragm are clear and reassemble the valve. When refitting the valve, the water flow direction must be observed – it is marked by an arrow on the valve.