

Automatic volume valve set



Automatic volume valve sets to dose preset volumes of water i.e. into a tank. The set consists of a Bacarra BWM controller, a Dorot valve and Arad water meter. The controller is battery powered in order to use the set anywhere without the need of grid power. After pressing the start button the controller will open the valve and a preset amount of water will pass the water meter. When the preset volume has passed, the valve will close automatically. The BWM controller can also be pre-programmed with day/week start time settings. Of course the amount of water can be altered and set as well.

CHARACTERISTICS

- ✓ Volume dosing
- ✓ Battery power
- ✓ Manual start and week/day program
- ✓ Complete set

APPLICATION

This controller is used to fill up mixing tanks or fertilizer tanks with a preset volume automatically. This set may also be used for simple garden irrigation.

TECHNICAL DATA

BWM controller	
Brand / type	: Baccara BWM
Display	: LCD
Temperature	: -10 tot 60 °C
Battery	: 9V alkaline (included)
Solenoid	: G75, 4 ohm, latch (¾ UNF)
Assembly	: directly on solenoid (28 mm) or wall mount including screws
Volume	: Liter / Gallon
Clock	: 24h, real-time
Week clock	: per day (3 starts per day)
Protection	: IP67 & NEMA 4X
Input water meter	: dry contact (reed switch)

Set 1"

Capacity	: 7 m ³ /h
Pressure	: 0,5 - 10 bar (@ 20°C)
Water meter	: Arad multi-jet 1", pulse 1:1
Valve	: Dorot 80, straight + trottle, 1" latch solenoid

Set 1½"

Capacity	: 20 m ³ /h
Pressure	: 0,5 - 10 bar (@ 20°C)
Water meter	: Arad Multi-Jet 1", pulse 1:10
Valve	: Dorot 80, straight + throttle 1½" latch solenoid

Set 2"

Capacity	: 30 m ³ /h
Pressure	: 0,5 - 10 bar (@ 20°C)
Water meter	: Arad Multi-Jet 2", pulse 1:10
Valve	: Dorot 80, straight + throttle 2" latch solenoid

Sets with bigger/unlimited capacity can be selected as an option

INSTALLATION & MAINTENANCE

- ✓ It is recommended to install the valve in front of the water meter
 - ✓ It is recommend to install the set parts close together
 - ✓ The water meter should be installed horizontally with the display pointing upwards.
 - ✓ The valve may be installed horizontally or vertically with the solenoid in upright position. Latch solenoid, please do not extend wiring Note: the BWM
 - ✓ controller may miss pulses when battery is low.
- Please make sure the nominal flow does not exceed Q3.