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AQUABOX 3.0

The AQUABOX project is designed to provide consumers with available but tasty drinking water through aquaboxes. Find locations for installation in supermarkets and other places where consumers usually buy bottled water. Monitor business profits, the status of the network, and create management reports from anywhere. By changing from bottled water to AQUABOX, consumers pay at least 50% less and reduce the amount of plastic waste by 97%.

KEY FEATURES

- Flow rate 150 liters per hour
- Compact — foot print 0.42 m^2
- Aquabox hygienic guard consists the LED UV lamp and integrated special siphon for sewage
- The service life of replacement elements has increased
- Intuitive user interface

IoT display

Customer and service menu

Volume control buttons

Filling control buttons

QR Reader

Dispensing unit
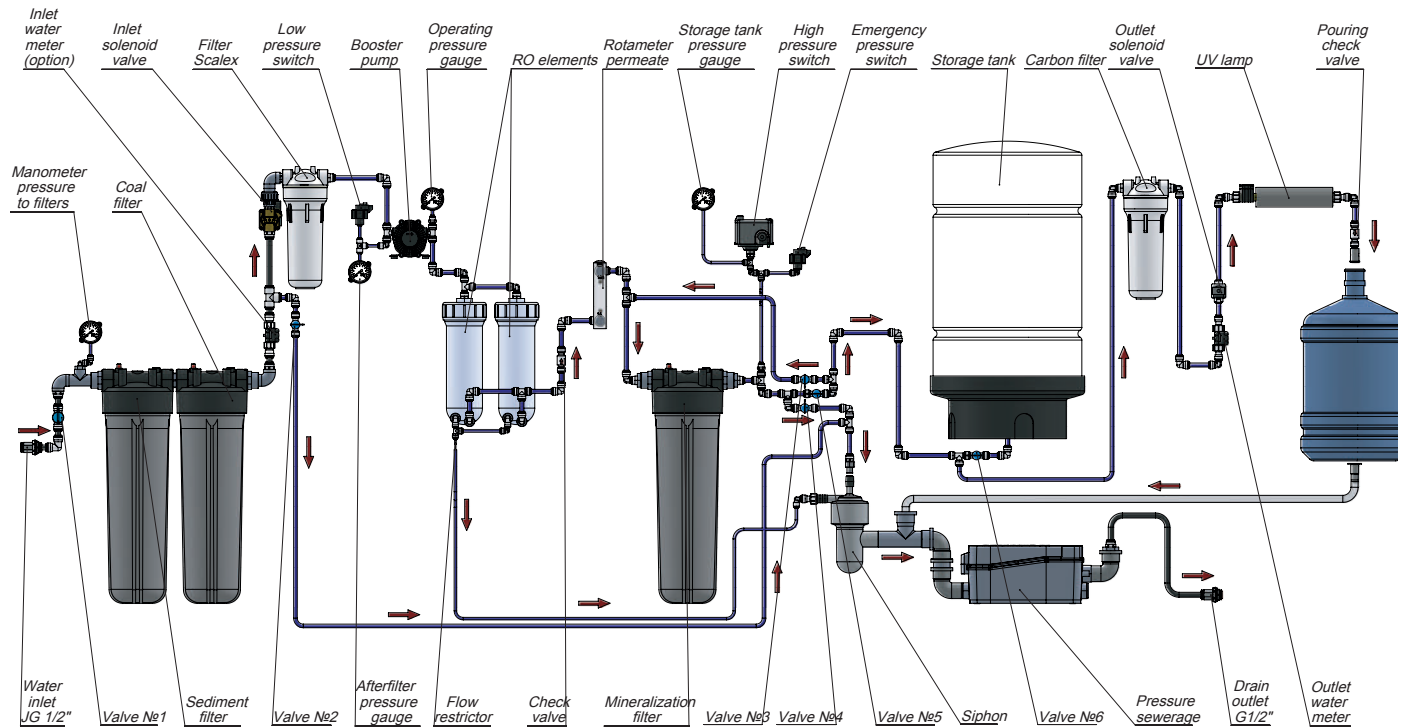
SOFTWARE SOLUTIONS

VDMS
Vending device management system

DSGO
Remote display management

AQUABOX
WATER REFILL
APP

AQUABOX
SERVICE
APP

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Diagram labels (top): Inlet water meter (option), Inlet solenoid valve, Filter Scalex, Low pressure switch, Booster pump, Operating pressure gauge, RO elements, Rotameter permeate, Storage tank pressure gauge, High pressure switch, Emergency pressure switch, Storage tank, Carbon filter, Outlet solenoid valve, UV lamp, Pouring check valve

Diagram labels (left): Manometer pressure to filters, Coal filter

Diagram labels (bottom): Water inlet JG 1/2", Valve №1, Sediment filter, Valve №2, Afterfilter pressure gauge, Flow restrictor, Check valve, Mineralization filter, Valve №3, Valve №4, Valve №5, Siphon, Valve №6, Pressure sewerage, Drain outlet G1/2", Outlet water meter

SPECIFICATION		KA150RO
OPERATING CONDITIONS		**VALUE**
Nominal capacity (20 °C)	L/h	150
Pouring flow rate	L/min	6
Range of volumes	L	1–19
Inlet water pressure (recommended)	bar	1–5
Feed water temperature**	°C	+10...+20
FEED WATER QUALITY REQUIREMENTS*		**VALUE**
Hardness	meq/L	< 7
Residual chlorine	mg/L	< 0.1
TDS	mg/L	< 1000
Iron	mg/L	< 0.1
Manganese	mg/L	< 0.05
UTILITY REQUIREMENTS		**VALUE**
Mains voltage / frequency	V / Hz	230 / 50
Total power consumption	W	500
Water supply connection	inch	1/2"
Drain water connection	inch	3/4"
DIMENSIONS & WEIGHT		**VALUE**
Pure water tank volume	L (gal)	80 (20)
Dimensions (Height × Width × Depth)	mm inch	1900 × 665 × 665 74.1 × 26 × 26
Ingress protection rating		IP20
Empty weight, max	kg	130
Operating weight, max	kg	180

*Options
**Designed for installation in a heated room
***The rest of the parameters must comply with local drinking water regulations