XTAQUA

RO/DI Flood Guardian

Manual

── Model ──

ASOV-200V

Thank you for purchasing the XP Aqua RO/DI Flood Guardian.

The RO/DI Flood Guardian is the world's first and only electronic float valve kit. It is no longer necessary to drill a hole in your reservoir to a mount mechanical float, or frustratingly spend time trying to figure out how to install a pressure solenoid kit. The RO/DI Flood Guardian installs in as little as 1 minute and you can easily move the magnetically-mounted optical sensor from reservoir to reservoir in seconds. Whether it is a glass/acrylic aquarium, a Brute garbage can, a bucket, a water jug or a big water tower, the RO/DI Flood Guardian will let you easily fill the reservoir without worrying about overflowing.

Once water in your reservoir is full, the RO/DI Flood Guardian will cut off the water. When you need to make water again, simply press the button on the controller or unplug and re-plug in the power adapter.

To automatically refill an ATO reservoir and prevent TDS Creep, you can plug in the RO/DI Flood Guardian in to a 7 day appliance timer. You can then set the RO/DI Guardian to turn on and fill your ATO Reservoir every 1, 2… 7 days (based on your programming).

The RO/DI Flood Guardian is plug-and-play and all parts are included for most installations. No programming or adjustments are required.

These instructions will guide you through the installation and explain how the system will operate.

Thank you for choosing XP Aqua!

List of Parts

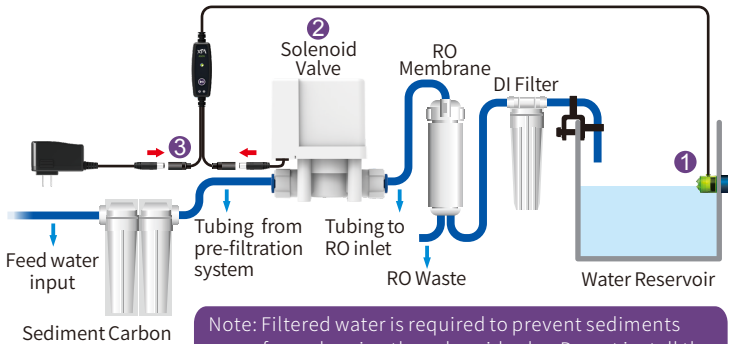| Item	Picture	Description
RO/DI Flood Guardian Controller		1. Controller with Dual Sensors 2. Max. Mounting Thickness : 1/2 inch (12.7 mm) 3. P- For Power Supply Connection S- For RO Solenoid Valve Connection
Universal Power Adapter		Universal Power Supply : 100 V - 240 V
RO Solenoid Valve		For use with RO/DI Systems and 1/4-inch RO Tubing
RO Tubing Holder		1. For use with 1/4-inch RO tubing 2. Max. Mounting Thickness : 1.2 inches (30.5 mm)

⚠ Caution : Risk of Injury from Strong Magnets

Installation

① Mount the dual sensors at the normal water level (with the water level reaching the lower one) on the reservoir with the magnet.*

② Connect RO solenoid valve with the RO tubing and the tubing holder according to the installation diagrams on the next page.

③ Plug the RO solenoid valve in the "S" jack of the controller, and the power supply in the "P" jack. Next, plug in the universal power adapter.

  *Please avoid setting up the sensor in an area with micro bubbles or direct light.
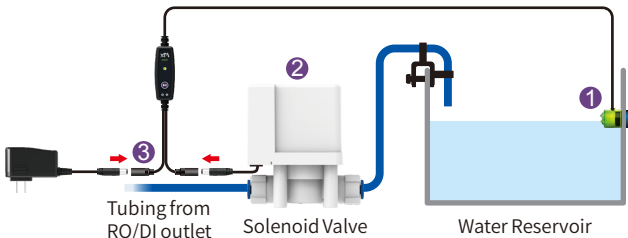
a. RO/DI System without Auto Shut Off

Cut the tubing between the carbon block filter and the RO membrane.
Take off the locking clips, connect the tubing to the solenoid valve
(pay close attention to the directional waterflow arrow on the solenoid valve)
and then reinstall the clips.

❷
Solenoid
Valve

RO
Membrane

DI Filter

❸

❶

Tubing from
pre-filtration
system

Tubing to
RO inlet

Feed water
input

RO Waste

Water Reservoir

Sediment Carbon

Note: Filtered water is required to prevent sediments
from clogging the solenoid valve.Do not install the
solenoid valve before your filtration system

b. RO/DI System with Auto Shut Off

Connect the solenoid valve at the RO/DI output. Take off the locking clips,
connect the tubing to the solenoid valve(pay close attention to the directional
waterflow arrow on the solenoid valve) and then reinstall the clips.

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❶

❸

Tubing from
RO/DI outlet

Solenoid Valve

Water Reservoir

Operation

1. When RO/DI Flood Guardian is powered up, the LED Indicator will flash 3 times with 3 beeps.
2. RO/DI Flood Guardian will perform a one-time filling automatically after every power-up. If it detects water when powered up, it will turn to standby mode.
3. After RO/DI Flood Guardian completes filling, the LED indicator will flash with 5 long beeps and then turn solid. The RO/DI Flood Guardian will then enter standby mode.

Action	LED Indicator	System Action
Push ⏸ during standby mode	Flashing	One-time filling.
Push ⏸ during filling	Flashing every 3 sec.	Filling pauses.
Push ⏸ during pause	Flashing	Filling resumes.
Push ⏸ for 3 sec. during standby mode	Off	Switches to sleep mode.
Push ⏸ during sleep mode	Solid	Switches to standby mode.

Specifications

1. Power Input : 100-240 VAC 50-60 Hz
2. RO Solenoid Valve : 6 W @ 12 VDC
3. Max. Mounting Thickness :
   · Sensor : 1/2 inch (12.7 mm)
   · RO Tubing Holder : 1.2 inches (30.5 mm)

Limited Warranty Policy

1. Limited warranty is provided by XPAQUA only if your XPAQUA Product ("Product") was purchased from an authorized distributor or an authorized reseller. This limited warranty is not transferable.
2. All warranty repairs or replacement are performed by the authorized distributor or authorized reseller in the region where the Product was first shipped by XPAQUA.
3. The limited warranty is valid for a period of 1 year under proper installation and normal use from the date of the original purchase listed on the proof of purchase or sales receipt.
4. In the event of a limited warranty claim, proof of purchase or sales receipt (issued to the original purchaser) is required.

Purchase Date	Warranty Period
(Y/M/D)	One year from the purchase date

Place of Purchase	Service
Store name/phone/email/address	Expert Aqua Co., Ltd. service@xpaqua.com www.xpaqua.com