

AquaSulis pH Plus Upflow In/Out Alkaline Filter System Manual

Welcome to the AquaSulis pH Plus UpFlow In & Out Alkaline Filter System Manual. This guide provides essential instructions for installing, operating, and maintaining your new filter system.

Safety Precautions

- Read all instructions before starting.
- Ensure all components are present.
- Follow all safety guidelines to prevent accidents.
- Adhere to your local plumbing codes

Operating Conditions

- Minimum Water Pressure: 30 PSI
- Maximum Water Pressure: 90 PSI (recommended 40-70 PSI)
- Maximum Water Temperature: 36°F to 100°F (2°C to 38°C)
- Minimum Air Temperature: 34°F (1°C)
- Confirm water conditions and usage meet the system specifications before installation.

Installation Instructions

1. Pre-Installation Inspection

- Ensure all components are present: Media Tank, Riser Tube, In/Out Valve, Bypass Assembly, Connectors, Service Wrench, oring lubricant, Funnel, Calcite, (optional) Corosex media, and Under Bedding Gravel.

2. Selecting an Installation Location

- Install indoors to avoid freezing and environmental damage.
- Place the system after the pressure tank or manifold.
- Ensure the location has a firm, level surface. You will need some free space above the system to add media in the future.

3. Prepare the Media Tank

- Make a small hat on the top of the rider rod with electrical tape to prevent media from entering the rod. Re-insert the riser rod into the tank.
- Some people may be bothered more than others with the dust from the media when dry and pouring. We recommend wearing a suitable particulate mask, gloves and safety goggles during this part of the installation.

- Add approximately one foot of water to the tank, then add gravel to the tank, ensuring the riser rod remains centered and did not float up during filling.
- Next add the media to the tank. *if you are using a calcite /corosex blend it's helpful to mix the medias before pouring into the tank.
- Fill the tank with water to pre-soak the media.
- Grease the large oring under the valve head and the small oring in the centre of the valve head that goes over the riser rod.
- Attach the in/out valve by gently threading it onto the tank and secure it firmly but not over tightening it.
- Lubricate all orings on the by-pass valve before attaching it to the valve head.
- Lubricate the orings on the tail pieces before attaching them to the by-pass valve.

4. Notes

- Use Teflon tape only on threaded tail pieces and their connections to a fitting. Do not use Teflon on the valve head threads. Do not solder directly onto this system.

5. Turn off Water & Water Heaters

- Close the main water shutoff valve
- Turn off the power to the water heater and close its valves
- Drain water from the plumbing system.

6. Initial Start-up and Leak Testing

- Place both red arrow handles in the "bypass" position, turn on the main water supply, and check for leaks. Inline with a pipe is open, cross a pipe is closed.
- Allow the media to soak for at least 1 hour before opening the bypass valves to their service position.
- When first running water run the cold only until the water clears away fines that are always present in new media installations.
- Make sure your hot water system is full of water before turning the power back on.

Follow-Up pH Monitoring

- Test and monitor the pH of the water after installation. Note: the media takes time to wet and settle, the initial readings are highly variable. Giving the system time to settle will result in consistent readings.
- Adjust the flow rate or add Corosex media if the pH boost is not at your desired level.

Maintenance

- To add media, close the main water feed valve.
- Open a tap to relive the pressure inside the system and drain water from the piping leading back to the system.
- You may need to repeat the instructions for turning off your water heating system.
- Using the supplied Clack wrench slowly open the fill port.
- Add media slowly as it displaces water in the tank. Have mop or towel ready in cases where you cant drain away from the system.
- Repeat original start up procedure.

Troubleshooting

pH too low

- Slow your flow rate
- Add more Calcite media if low or Corosex when needed.

Low Flow or Pressure Drop

- Lower your flow rate
- Media has become dirty, change media, we suggest pre-filtration

Hardness Build Up

Test your water for pH and Hardness, you may need a water softener to correct this issue. Contact us with your results.

Warranty Information

- The system is backed by a comprehensive warranty program.
- Warranty coverage includes the Clack in/out valve, bypass assembly, tails - 5 years and media tank - 10 years.
- The warranty does not cover the media, shipping or labour.

What is in the Box(s)

- Tank & Riser Rod with Cap
- Bag(s) of media and Under-Bedding
- In/out fill head, Re-fill Wrench, By-Pass, Plumbing Connector Set, Moly Coat Oring Lubricant & Funnel

System Specifications

Calcite Only Media

Recommended Service Flow Rate (GPM)	Max. Service Flow Rate (GPM)	Tank Size (Inches)	Total Height (Inches)	Media Quantity
< 2 GPM	4 GPM	8 x 44"	49	0.75 cu/ft
< 3 GPM	6 GPM	9 x 48"	53	1.0 cu/ft
< 3.5 GPM	7 GPM	10 x 54"	59	1.5 cu/ft
< 5 GPM	10 GPM	12 x 52"	57	2.0 cu/ft
< 6 GPM	12 GPM	13 x 54"	59	2.5 cu/ft
< 7 GPM	14 GPM	14 x 65"	70	3.0 cu/ft

Calcite/Corosex Blend at 80/20 % Charted

(we suggest you start with a 10% Corosex blend and increase as needed)

Recommended Service Flow Rate (GPM)	Max. Service Flow Rate (GPM)	Tank Size (Inches)	Total Height (Inches)	Media Quantity
< 2.5 GPM	5 GPM	8 x 44"	49	0.75 cu/ft
< 3.5 GPM	8 GPM	9 x 48"	53	1.0 cu/ft
< 4.5 GPM	10 GPM	10 x 54"	59	1.5 cu/ft
< 6.5 GPM	13 GPM	12 x 52"	57	2.0 cu/ft
< 7.5 GPM	16 GPM	13 x 54"	59	2.5 cu/ft
< 9.0 GPM	20 GPM	14 x 65"	70	3.0 cu/ft

For further assistance, please contact us at The Water Guy 1-866-489-4004

Or use our handy help form at www.thewaterguy.ca