

# ACQUAPURO



## APPLICATIONS

Kitchen Filtration Taps / ICE Makers / Fridges / Boiling Water  
3 & 4-in-1 tank filter

## FEATURES

- Scale(rust) and Clogging prevention
- Taste and odor reduction
- Cyst reduction such as Cryptosporidium by mechanical means.
- Particulate reduction such as 1.0 micron of Dust by mechanical means.
- Limescale prevention by Polyphosphate Crystals

Water Filtration Product Model ACQ-IFC+ single System helps to improve the taste, appearance and consistency of your Drinking water beverages at flow rates up to 1.0 ~ 2.0 lpm.

The ACQ-IFC+ System combines cyst, asbestos fibres, lead & heavy metals reduction with particulate class 1, chlorine, taste and odor reduction for up to 3,600 ~ 7,200 litres.

## PRODUCT SPECIFICATION

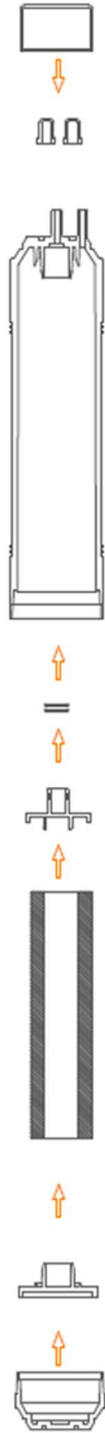
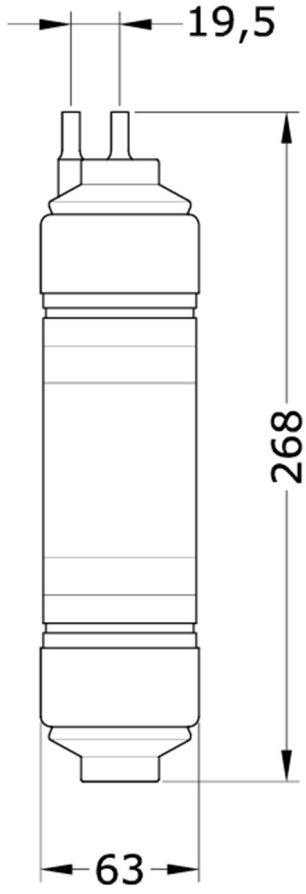
	MODULE			Housing	
Feature	<ul style="list-style-type: none"> <li>▪ Material: Powdered Activated Carbon + Polyethylene</li> <li>▪ Type: Block Carbon</li> <li>▪ Principal: Adsorption</li> <li>▪ Particle reduction: &gt;3µm</li> </ul>			<ul style="list-style-type: none"> <li>▪ Material: Polypropylene</li> </ul>	
Size(mm)	Inner Diameter	Out Diameter	Length	Diameter	Length
10"	21±0.5	41.5±0.5	182±1	64	254



## PRODUCT BENEFITS

- **Consistent high-quality, great tasting water for continued customer satisfaction.**
- **Easy:**  
Simple 1/4" or 3/8" push fit pipework attachments allow for a quick, dry filter change with no specialist tools.
- **Healthy**  
1.0 micron carbon block removes Class 1 particulates, chlorine, cysts, pesticides, insecticides, detergents, rust, heavy metals, silt, asbestos fibres, fine micro plastics and oxidized manganese, sulphate and iron.
- **Technology**  
Polyphosphate crystals prevent limescale formation, giving clear drinking water.
- **Construction**  
High strength plastic housing which can withstand pressure over 120 psi/ 8bar
- **Life Span**  
Recommended 6 months.
- **Approvals**  
FDA compliant materials to NSF standards

## PRODUCT DRAWING



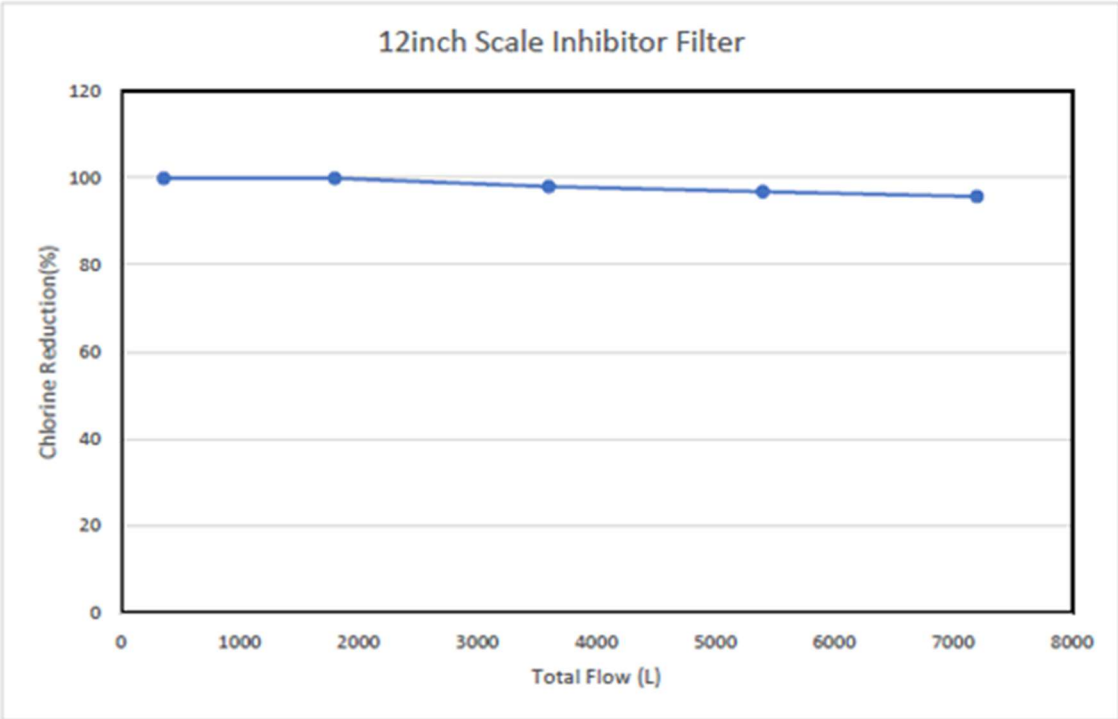


# SCALE INHIBITOR FILTER TEST REPORT

Test Result  
- Chlorine Reduction

Total Flow(L)	Chlorine Concentration(mg/L)			Reduction Mean(%)
	Influent water	Filter #1	Filter #2	
360	1.03	< 0.01	< 0.01	99.9
1,800	1.00	< 0.01	< 0.01	99.9
3,600	0.99	0.02	0.02	98.0
5,400	0.99	0.031	0.033	96.8
7,200	0.99	0.042	0.044	95.7

\* Test Condition : Flow Rate = 2.0 L/min





**<Test Condition>**

1. Excessive hard water preparation: 3,014Kg Calcium chloride anhydrous, 3,002Kg Magnesium Chloride Anhydrous and 0.647Kg sodium chloride are completely dissolved in 9,000 liters pure water. The hardness of the water (calculated by Calcium carbonate) is about 480mg/L.

2. Install 20g scale inhibitor filter on the test bench, adjust inlet pressure to 0.2MPa and water flow to 2L/min. Cumulative passing 9,000 liters of excessive hard water, take filter at 0 liter, 1,000 liters, 3,000 liters, 5,000 liters, 7,000 liters and 9,000 liters to test the scale inhibition effect and rate at a flow rate of 2L/min.

3. To boil the water sample by electric stove for 5 minutes then stop heating. Filter the heated water sample by filter paper, then test the hardness value by indicator in scale inhibition rate titration.

4. Water inlet pressure is 0.2Mpa. Water flow is 2L/min.

- Test completion date : April 18, 2022

- Experimental environment : Temperature: 25℃ ; humidity: 60%

<b>Test Results</b>			
<b>Scale Inhibiting Ratio</b>			
Cumulative Volume filtered (L)	Concentration in composite sample(mg/L)		Scale Inhibiting Ratio (%)
	Challenge water	after heating and filtration	
0	483.54	9.91	97.95
1,000	479.36	14.86	96.9
3,000	482.83	19.43	95.97
5,000	483.98	25.18	94.79
7,000	481.72	28.34	94.11
9,000	482.44	63.47	86.84