



Manual

**Soft Shield Elite**

Dear Customer,

Thank you for purchasing this Aquablu treatment system. With this product, you have ensured yourself of water of the utmost quality!

Designed with great care and attention, all of our systems are manufactured in the Netherlands. By controlling the full production process, we can ensure our products are of the highest quality and produced most sustainably.

Our product line is set to transform the water industry, and we are happy that you are part of our journey.

Warm regards from the Netherlands,

The Management and Staff of Aquablu

## **ABOUT THIS MANUAL**

In spite of its simplicity, it is essential that the system is correctly installed, maintained and used. Please allow yourself sufficient time to read and understand this manual, before you install, maintain or use the Soft Shield Elite. With proper installation and regular maintenance, the system will provide many years of reliable service, protecting you and your family. Failure to adhere to the information provided in this manual may lead to significant risks for the health and safety of people or damage to goods.

## **STORAGE, USE AND TRANSFER OF THIS MANUAL**

This manual, and other relevant documentation (such as proof of purchase, inspection and maintenance records) must be kept in a suitable and safe location for future reference. If a change of ownership occurs during the lifetime of the machine, make sure all relevant documents are transferred to the new owner.

In case the manual is lost, a replacement can be downloaded from [www.aquablu.com](http://www.aquablu.com). Downloading the manual ensures that the latest information on the system can be obtained. This manual reflects the technical specification of the system at the time of writing. The manufacturer reserves the right to amend and extend the contents of the manual to reflect the technical progress of the purification system, without rendering this publication obsolete. Contact the Aquablu technical department in case further information is needed about maintenance and repair.

## Table of content

Health and Safety instructions	4
System Parts	5
Installing the Soft Shield	6
Changing the filter	8
Technical specifications	10

## NOTICE

1. This system must be installed in accordance with local plumbing regulations.
2. Where incoming water pressure exceeds 4.8 bar (70 psi) a suitable pressure limiting valve must be installed in front of the Soft Shield Elite.
3. The Soft Shield Elite is designed for use on public mains water supply. Do not use with bore hole or well water that is of an unknown quality without adequate pre filtration and/or disinfection before or after the system.
4. Product performance is dependent upon incoming water supply quality.
5. The system must be installed and maintained in accordance with the manufacturer's instructions including replacement of the filter cartridges.
6. Please ensure all o-rings are well lubricated and clean from foreign particles.
7. Please use PTFE tape or similar for all threaded connections.

**BS6920**  
CERTIFIED



# Health and safety instructions

## YOUR HEALTH AND THE DE-SCALING SOLUTION




The system is processing first stage purified and de-scaled water. It should therefore be taken good care while installing and/or maintaining the system to prevent potential health risks. In particular the introduction of any polluting or contaminating materials into the system during the replacement of the membrane filter insert must be prevented.







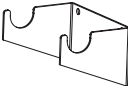
Always wash your hands carefully when replacing filter inserts or filter cartridges to avoid the introduction of undesired materials into the filtering system.

## SAFETY INSTRUCTIONS

- Please read the instructions carefully and keep them in a safe place.
- The operator must understand the instructions before operating the purification system, and must follow all safety and operational guidelines.
- The system is intended for purification of fresh water from any source that is considered potable.
- Only use the system for the intended purpose!
- Check the system at regular intervals for damaged or defective parts. The system should not be used when it shows any visible damage, or has damage to components or any other conditions that may affect its safe operation.
- Have any damaged or defective parts repaired or replaced by an authorized Aquablu dealer. Improper repairs can cause considerable danger!
- Never attempt to remove or replace any parts other than those specified in this manual
- Do not open the cover of the Soft Shield without closing off water supply

 <b>WARNING</b>	
	<p>Please read carefully before proceeding with installation. Your failure to follow any attached instructions or operating parameters may lead to the product's failure.</p> <p>Keep this Manual for future reference.</p>
	

# System Parts

<div>1</div>  <div>Housing</div>	<div>2</div>  <div>Head Assembly</div>	<div>3</div>  <div>Pressure Relief Valve</div>
<div>4</div>  <div>Outlet Connector</div>	<div>5</div>  <div>Threaded Inlet / Outlet Adapters (x2)</div>	<div>6</div>  <div>Inlet / Outlet Red Adapter Looking Pins (x2)</div>
<div>7</div>  <div>Sediment / Carbon Filter Cartridge (20 microns)</div>	<div>8</div>  <div>Scale Elimination Cartridge</div>	<div>9</div>  <div>Multifunction Tool</div>
<div>10</div>  <div>Mounting Bracket</div>		

# Installing the Soft Shield Elite

New systems come with the cartridges and outlet connector pre-installed. Installer should verify this during installation. When changing cartridges reverse installation procedure and note items 6 & 7.

1. Please confirm that all items required are included in the kit ready for assembly and remove from carton
2. Find a suitable location for the installation keeping in mind access to the incoming water supply and the treated supply to the home, restaurant or foodservice equipment.
3. The system must stand upright in the desired location and secured using the wall mounting bracket provided where possible.
4. Take the two threaded Adapters (Item 5) and insert them into the inlet and outlet of the Soft Shield Housing (Item 1) as shown in Diagram A.
5. Secure these adapters with the two red adapter Locking Pins (Item 6) as shown in Diagram A.
6. Take the Sediment/Carbon Filter cartridge (Item 7) and place it within the Softshield Housing (Item 1) as shown in Diagram B.
7. Take the Aquablu Scale Elimination cartridge (Item 8) and secure it within the centre of the Sediment/Carbon Filter cartridge (Item 7) as shown in Diagram C.
8. Take the Outlet Connector (Item 4) and install it as shown in Diagram D.
9. Take the Head Assembly (Item 2) and screw this onto the Housing (Item 1) as shown in Diagram E.
10. To tighten take the Multifunction Tool (Item 9) and tighten the Head Assembly as shown in Diagram E by tightening in a clockwise direction – DO NOT OVER TIGHTEN.
11. Using PTFE tape connect incoming water supply to the inlet of the Soft Shield Elite system and connect to the outlet as required to service the property.
12. Turn on water supply and check for leaks. Open first cold water tap on the system to release any air, and run the system for 5 minutes before putting into service.

Diagram A

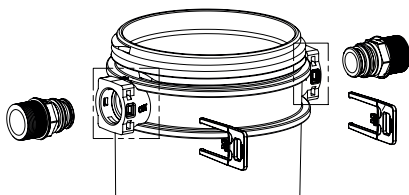


Diagram E

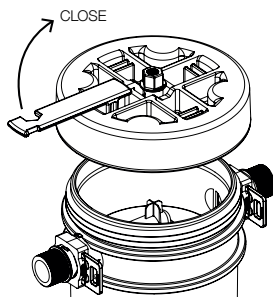


Diagram B

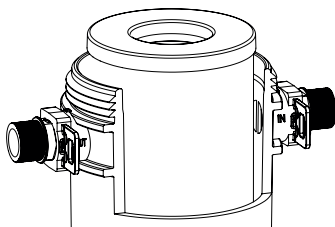


Diagram F

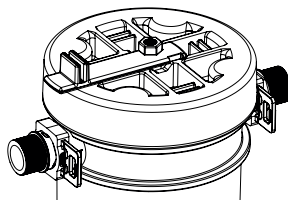


Diagram C

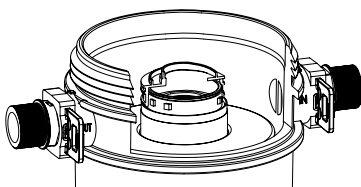


Diagram G

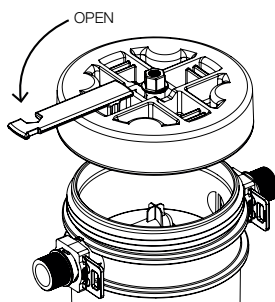


Diagram D

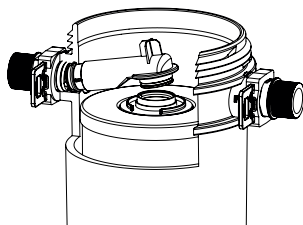
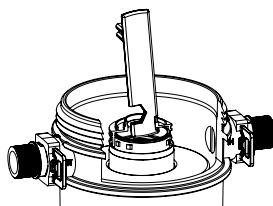


Diagram H



# Changing the Filter

New systems come with the cartridges and outlet connector pre-installed. Installer should verify this during installation. When changing cartridges reverse installation procedure and note items 6 & 7.

1. Turn off water supply at either the isolation tap or mains stop tap.
2. Use the Multifunction Tool (Item 9) to release air from the system. This is done by taking the tool and unscrewing the Pressure Relief Valve (Item 3) refer to Diagram F.
3. Use Multifunction Tool (Item 9) to unscrew Head Assembly (Item 2) anticlockwise and remove from the Housing as shown in Diagram G.
4. Remove Outlet Connector (Item 4) from top of Aquablu Scale Elimination Cartridge and remove from outlet port – refer Diagram D.
5. Use Multifunction Tool (Item 9) to remove Scale Elimination Cartridge (Item 8) from the Sediment/Carbon Cartridge (item 7) as shown in Diagram H.
6. Remove the Sediment/Carbon (item 7) from the Housing by hand.
7. Remove new Sediment/Carbon cartridge from packaging and place carefully inside the Soft Shield Elite Housing as shown in Diagram B.
8. Insert Aquablu Scale Elimination Cartridge back into the centre of the Sediment/Carbon cartridge making sure that it is sealed correctly as shown in Diagram C.
9. Insert Outlet Connector (item 4) into outlet port and secure back on top of the ASE cartridge as shown in Diagram D.
10. Place Head Assembly back onto Soft Shield Elite Housing and using the multifunction tool tighten by screwing the Head Assembly clockwise as shown in Diagram E. **DO NOT OVER TIGHTEN.**
11. Close the pressure relief valve by tightening in an anticlockwise direction as shown in Diagram F.
12. Turn water supply on and check for leaks.



Diagram A

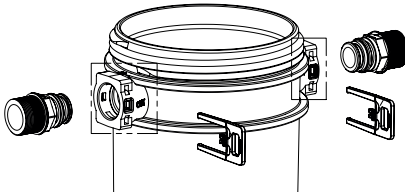


Diagram E

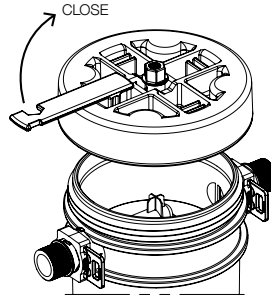


Diagram B

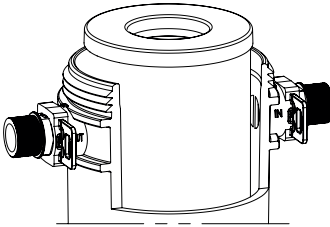


Diagram F

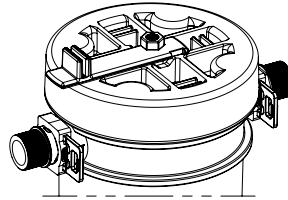


Diagram C

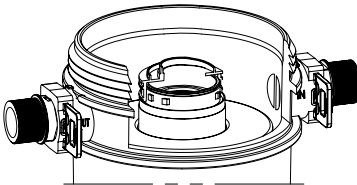


Diagram G

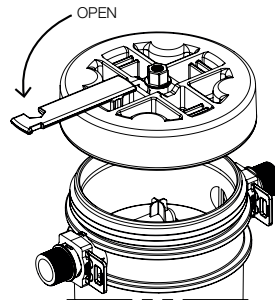


Diagram D

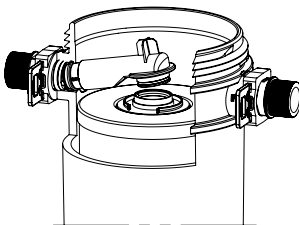
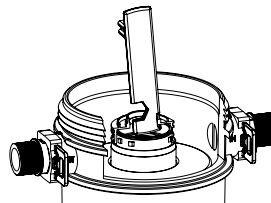


Diagram H



# Technical Specifications

## Operating Conditions:

Water Flow:	38 l/m
Incoming water temperature:	8 - 30 C
Incoming water pressure:	1 bar – 4.8 bar, a pressure limiting valve must be installed when pressure exceeds 4.8 bar (70psi).
Working conditions:	For indoor use - protection required when installed outdoors
Size:	254 mm (10") x 254mm (10") x 457mm (18")
Min net weight:	7 kgs

## Conditions for use:

pH Level:	6.5 to 8.5
Max Hardness:	1300ppm CaCO <sub>3</sub>
Chlorine:	< 3 ppm
Iron, Ferrous:	< 0.3 mg/L
Manganese:	< 0.5 mg/L
Copper:	< 1.3 mg/L
Oil & Phosphates:	zero
Hydrogen Sulfide (H <sub>2</sub> S):	zero

## Contamination treatment:

Sediment / Particulates:	20 microns with a dirt holding capacity up to 1 kg (2.2 lbs)
Chlorine Reduction:	189,000 litres @ 11.34 lpm * according to lab test of carbon block manufacturer.
Scale Prevention:	Up to 3 years

## Certification:

Aquablu Soft Shield:	NSF/ANSI Standard 61 WRAS approval
Carbon Filter:	NSF/ANSI Standard 42

## **Disclaimer**

Aquablu Innovative purification solutions reserves the right to modify, upgrade or improve their products at any moment without advance notice and will not be liable for any difference between actual unit supplied and the latest specifications stated in the sales material or the user manual. Contact the Aquablu Innovative purification solutions technical department in case extra information is required, for example, maintenance and repair. This User Manual has been created with great care, however Aquablu Innovative purification solutions cannot be held responsible for errors in this publication or for the impact of any of these possible errors. This User Manual has been written and published by Aquablu Innovative purification solutions

in Voorhout

To all our deliveries the general delivery conditions of the Federation of Metal and Electro technical Industries (F.M.E.) as deposited in December 2010 at the district court in The Hague are applicable, apart from those articles for which alternative or complementary provisions have been included.



[www.aquablu.com](http://www.aquablu.com)

member of the Stokvis Group