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SAN!C® ANTIMICROBIAL
WITH BUILT-IN ANTIMICROBIAL PRODUCT PROTECTION

ATLAS FILTRI®
improving water

Atlas Filtri BIG F PRO HYDRA-SANIC

4-Stage UV Water Disinfection System with Built-In Antimicrobial Protection

ATF-BIGFPRO256HYDRASANIC | 813101

ATF-BIGFPRO267HYDRASANIC | 813102

Installation and Operation Manual

3 YEAR LIMITED WARRANTY

WaterMark

1. Introduction

Thank you for purchasing an Atlas Filtri BIG F PRO HYDRA -SANIC water treatment system - Italian-made UV disinfection in a convenient, pre-plumbed four-stage kit.

The BIG F PRO HYDRA -SANIC reduces sediment and inactivates harmful bacteria and viruses using UV-C light - a chemical-free, eco-friendly disinfection process that damages the DNA and RNA of micro-organisms. A triple-stage pre-filtration unit removes particulate matter, reducing the likelihood of it shielding micro-organisms from the UV-C light.

Filtration and treatment stages

- **Stage 1**: Self-cleaning coarse filtration (90µm back-washable stainless mesh cartridge
- **Stage 2**: Coarse filtration (20µm pleated cartridge)
- **Stage 3**: Fine filtration (1µm polyspun cartridge)
- **Stage 4**: UV disinfection chamber

The final sediment filtration stage must always be fitted with a 1-micron cartridge.

The system is designed for mains and rain-water supplies. For other water sources, a water test is required to determine whether the water quality is suitable for UV.

How the self-cleaning first stage works

Atlas Filtri® HYDRA BIG, self-cleaning filtration technology, is designed for the reduction of large particles and heavy amounts of sediment in the water supply.

The unique filter system automatically back-washes from the centre of the cartridge outwards when the drain valve is opened.

When the ball valve at the bottom of the housing is manually opened, the filter cartridge compresses the spring forcing it off its seal, redirecting the water to the centre of the cartridge. The counterflow forces sediment off the surface and downwards. When the ball valve is closed, the cartridge returns to service mode.

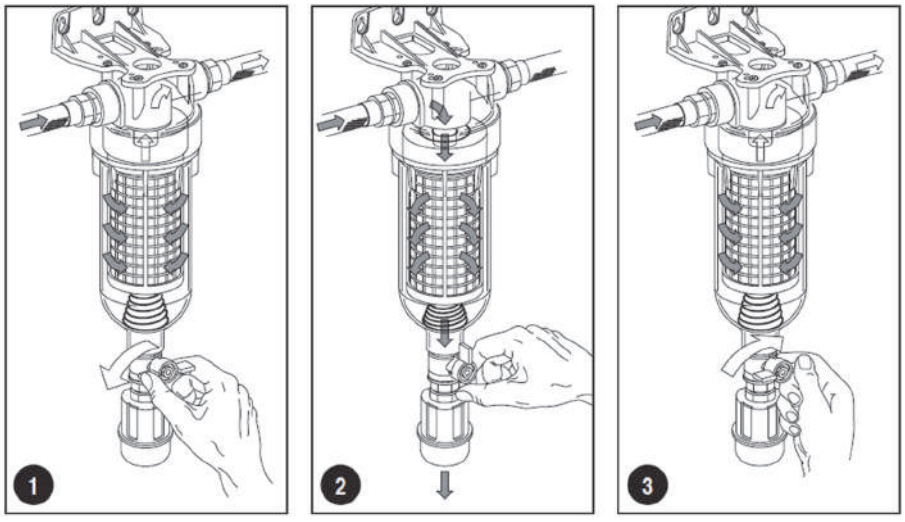
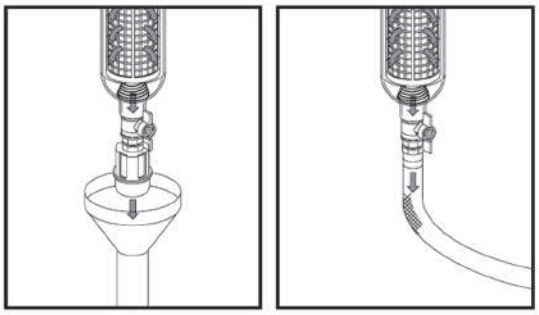


fig. 1 — service position | fig. 2 — backwash in counter-current | fig. 3 — return to service

The HYDRA BIG SANIC is supplied with a hose-tail to attaching piping (<2m) to a drain AND an alternative air-gap device designed to prevent pollution by backflow in accordance with EN 1717.

This option prevents backflow by venting all elements downstream of the drain valve to atmosphere



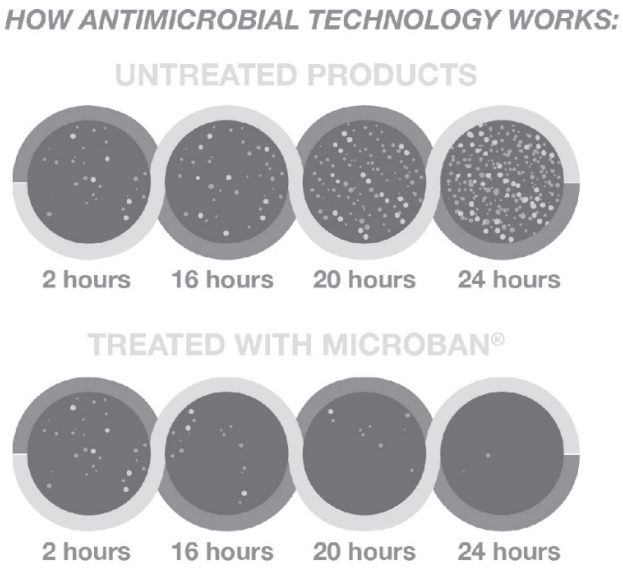
Backwash cleaning in counter-current is only effective with a minimum supply pressure of 1.8 bar and a minimum flow rate of 2,000 L/h (33 L/min).

Below these values the cartridge will not clean properly.

SANIC anti-microbial

Antimicrobial protection - powered by Microban®. SANIC housings and cartridges are moulded with a silver phosphate glass antimicrobial agent permanently integrated into the plastic matrix, protecting the product surface against the growth and reproduction of micro-organisms by up to 99.9%, 24/7, for the life of the product. Use SANIC housings and cartridges together to gain the full benefit of the antimicrobial protection.
BIG F PRO HYDRA SANIC systems are lead-free products.

Typical applications include rainwater, mains water, well water and HO.RE.CA. (hospitality) equipment supply. The system can be used directly on rainwater; for other water sources, a water test is required to determine whether the water quality is suitable for UV disinfection (see Water Quality Requirements, Section 8).



In the carton:

- Filter system and UV chamber, with triple-stage filtration unit, flexible stainless steel hose and metallic frame (ballast pre-installed)
- UV lamp and quartz sleeve (in cardboard tube)
- Accessories: Neoprene Hydra sleeve, housing spanner, pressure gauges, lubricant sachets, o-rings/gaskets, and frame key

Carefully check all components - especially the lamp and quartz sleeve - are present and undamaged before starting. Remove all packing materials before use and dispose of packaging in accordance with local regulations.

2. Key Features

- Built-in Microban® silver-based antimicrobial protection on housings and cartridges - proven protection against bacterial growth of up to 99.9%, active 24/7 for the life of the product.
- **Self-cleaning first stage** - backwash in counter-current at the turn of a valve; no cartridge handling for routine cleaning.
- Easy-to-install, Italian-made, plug-and-play UV unit - pre-plumbed with a single inlet/outlet on a single bracket.
- Lockable, anti-tamper and child-proof cover which protects the unit from weather (key supplied).
- Strong zinc-plated and varnished steel frame.
- Pressure gauges fitted to indicate when filter cartridges need changing.
- Reversible flow - the inlet can be configured on the left or right side of the unit.
- 2 m power lead on the IP54-rated digital UV controller for extra reach.
- Digital lamp-life countdown timer, with audible and visual alarm for lamp change due and lamp failure.
- Lead-free product.

3. Contents

4. Warning Symbols

This table explains the warning icons used throughout this manual.

	Warning - Electrical safety
	Warning - Potential consequences of use outside of intended application(s). Includes environmental condition warnings.
	Mandatory warning
	Warning - Disconnect power
	Read carefully

5. Standards and Approvals

CE	**CE marking** is a certification mark that indicates conformity with health, safety and environment. The CE marketing represents a manufacturer's declaration that products comply with the EU's New Approach Directives. These directives not only apply to products within the EU but also for products that are manufactured in or designed to be sold in the EEA.
	**Regulatory Compliance Marketing (RCM) Affirms** compliance with all the applicable legal and technical requirements.
	**WaterMark** certification is a mandatory certification scheme for plumbing and drainage products to ensure they are fit for purpose and appropriately authorised for use in plumbing and drainage installations.

Declared conformity

The manufacturer declares this system to be in compliance with:

- AS/NZS 60335.2.109:2011 +A1 +A2 with AS/NZS 60335.1:2020 +A1
- 2014/35/EU (low voltage), 2014/30/EU (electromagnetic compatibility), 2015/863/EU (RoHS3), 2012/19/EU (WEEE), 2014/68/EU art. 4(3) (PED)
- IEC/EN 60204-1 (safety of machinery - electrical equipment), IEC/EN 55022 (radio interference characteristics)

6. **Warnings** (Specific Warnings)

	UV-C radiation can cause serious burns to unprotected skin and eyes. Never connect the appliance to the power socket without the UV lamp first fitted in its housing, and never look directly at ultraviolet light emitted from the UV lamp.
	Prior to starting any installation or maintenance work, the unit must be disconnected from the power supply and pressure relieved from the system, including the housings, UV chamber and associated pipework.
	This appliance must be connected to an earthed power outlet. Any work on the electrical parts of the product must be carried out by a qualified electrician, closely following the instructions supplied.
	This water treatment appliance must only be installed by a qualified and licensed plumber, and the installation must meet the applicable plumbing code in your area.
	Do not use with chemically unsafe water. A complete water analysis should be performed and additional treatment adopted as necessary
	Cold water line only. Protect from freezing, direct sunlight, weather and harsh environments. Operating limits: 8.3 bar maximum pressure, 4 - 40 °C water temperature.
	Read this manual carefully before starting. Failures caused by incorrect installation or operation make the warranty void.
	This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

7. Electrical Connections

The system should be connected to (10 Amp) power outlet equipped with a residual current device. The RCD should be installed and meet nominal trip current of 30 mA in compliance with the requirements of AS/NZS 3000.

Surge protection: an electrical power surge or spike can travel through supply lines and cause serious damage to electrical equipment. The BIG F PRO HYDRA-SANIC has a fuse to protect its circuit; the fuse is not a lightning arrestor and may not protect the product from lightning or a very powerful surge. If the installation is subject to power surges or lightning, we strongly recommend fitting suitable additional surge protection.

Power supply: AC 110–240 V, 50/60 Hz. Au/NZ 3 pin plug

8. Installation

Positioning

- Choose a structurally appropriate mounting position, sheltered and protected from direct sunlight, weather, rain, frost and water, with adequate ventilation.
- Allow at least one chamber length of clear space above the unit for removal of the lamp and quartz sleeve, and 120 mm below the housings for cartridge replacement and maintenance.
- Allow access to the drain valve at the base of the self-cleaning first stage, and a drain point **lower** than the drain funnel.
- Where the self-cleaning stage may be exposed to sunlight, fit the sun protection cover to minimise algae growth.
- Protect from harsh environments where overexposure to salt or aggressive chemicals can occur.
- A power outlet with residual current protection is required near the unit.

Water quality requirements

For correct performance and UV transmission, the inlet water must meet the following parameters. Warranty will not apply to units which fail due to being used on water that does not meet these parameters.

Turbidity	< 1 NTU	Iron	< 0.3 mg/L
Total hardness	< 120 mg/L	Manganese	< 0.05 mg/L
UV transmittance	> 95% @ 1 cm	Hydrogen sulphide	< 0.3 mg/L

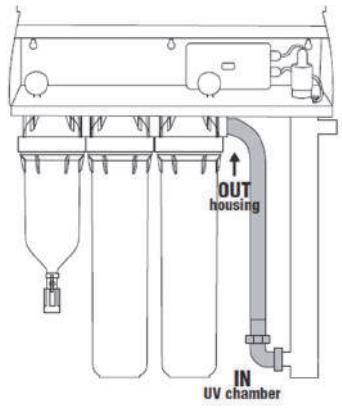
Flow rates and sizing

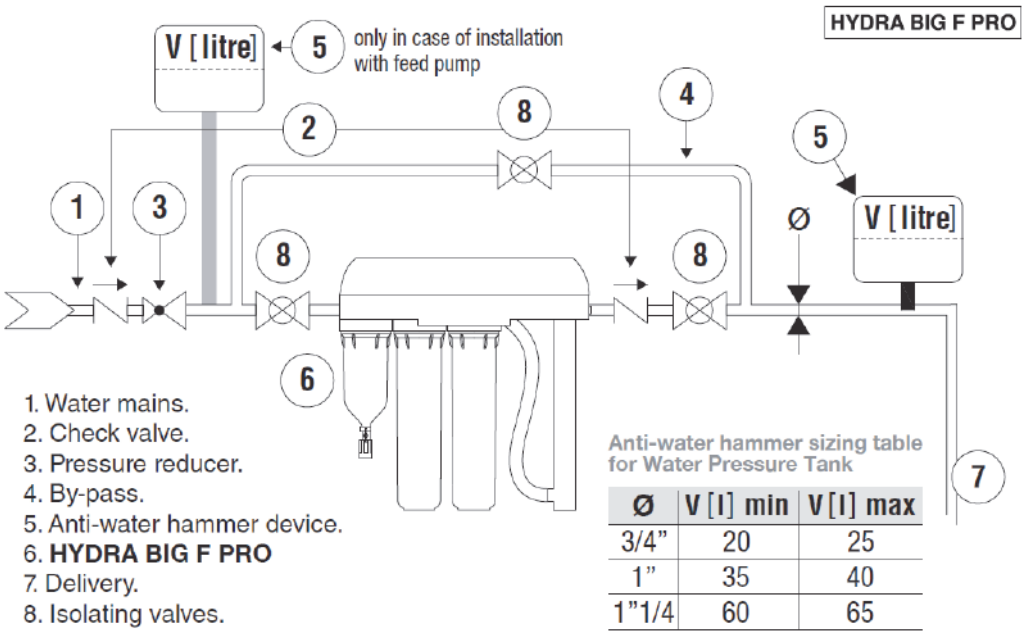
System flow must be sized to the lowest-rated component in the treatment train, not to the UV chamber alone. Excessive flow reduces the UV dose and shortens cartridge life, and may render disinfection less effective. The flow rate MUST be equal to or below the recommended values.

UV Reactor	30 mJ/cm² @ 95% UVT	40 mJ/cm² @ 95% UVT
56 W (256)	70 L/min (4,200 L/h)	54 L/min
67 W (267)	95 L/min (5,700 L/h)	72 L/min

Plumbing requirements

- Connections are 1" BSPP - inlet 1" BSPP female, outlet 1" BSPP male. The outlet is always on the UV side of the system.
- Water MUST always pass through the filter housings BEFORE the UV chamber.
- If supply pressure can exceed 8.3 bar, fit a pressure reducing valve.
- **Install an anti-water hammer device to protect the unit**. On installations fed by a pump, especially with a pressure switch, fit
- an additional expansion vessel between the pump and the first filter unit to minimise pressure fluctuations.
- Use thread seal (PTFE) tape only (not included) for the pressure gauge and brass nipple connections. Never use liquid sealant.



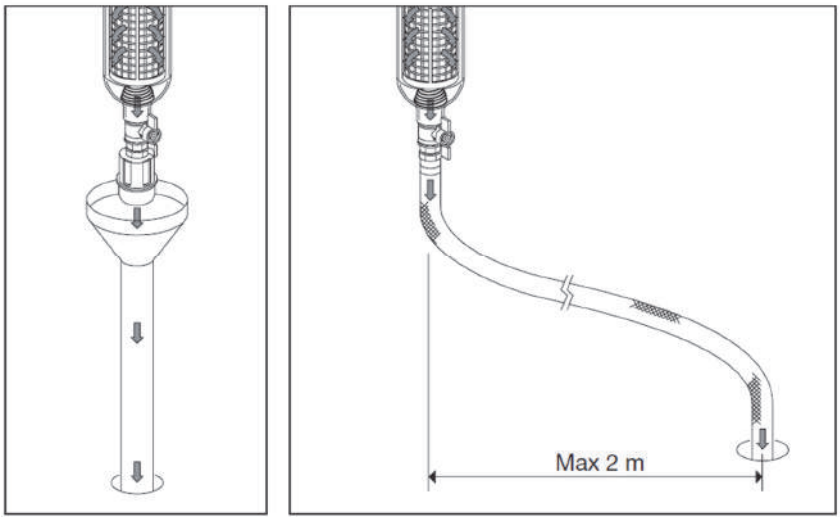


Anti-water hammer sizing table for Water Pressure Tank

Ø	V [l] min	V [l] max
3/4"	20	25
1"	35	40
1"1/4	60	65

Drain connection - self-cleaning first stage

Connect a pipe or reinforced tubing to the air-gap drain funnel or hose tail at the base of the self-cleaning filter (Stage 1), secure it with a clamp, and discharge to drain.



- The drain point must be **lower** than the drain funnel or hose fitting.
- The discharge pipe must be no more than **2 metres** long.
- Avoid bending or pinching the tube. This generates counter-pressure against the drain and causes malfunction.
- Do not connect the drain directly to a sealed wastewater line. The drain funnel must remain vented to atmosphere to preserve EN 1717 backflow protection.

Cartridge configuration by model

Model	Stage 1 - coarse	Stage 2 - fine
BIG F PRO HYDRA-SANIC 256	20-Mic Pleated 20" BIG (807308)	1-Mic Polyspun 20" BIG (807300)
BIG F PRO HYDRA-SANIC 267	20-Mic Pleated 20" BIG (807308)	1-Mic Polyspun 20" BIG (807300)

Always fit the pleated sediment cartridge in the first (coarse) housing and the fine cartridge in the second housing, in the direction of flow.

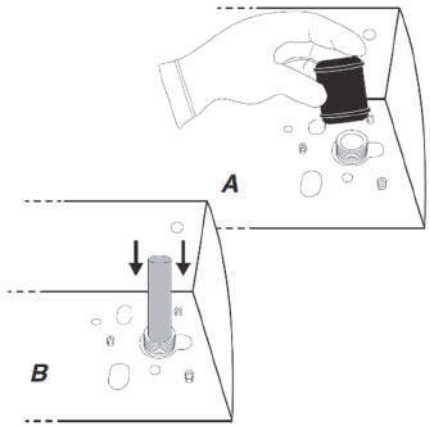
Installation procedure

1. Remove the flexible hose from its seat inside the cardboard protection and check the UV lamp and quartz sleeve are intact inside their packaging.
2. Mark the wall through the 3 mounting holes at the rear of the mounting bracket, drill, and install suitable anchors (not included).
3. Position the mounting bracket and tighten the fixings to hold the system securely to the wall.
4. Turn off the water mains.
5. Plumb the inlet and outlet pipework to the unit (inlet 1" BSPP female, outlet 1" BSPP male).
6. Fit the brass nipple to the housing outlet using PTFE tape. If it leaks at start-up, add more tape and/or tighten further.
7. Fit the two pressure gauges to the 1/8" threaded ports on top of the heads using PTFE tape. Tighten firmly without over-tightening.
8. Connect the flexible hose to the brass nipple and to the UV chamber inlet using the supplied gaskets.
9. Assemble the UV components (see Assembly, below).
10. Fit the cartridges, apply silicon lubricant to the housing o-rings liberally then tighten the filter bowls with the housing spanner until firm. DO NOT OVER-TIGHTEN.
11. Turn the water on and flush the unit for at least 5 minutes through a downstream tap, then check the system thoroughly for leaks.
12. Turn the power on and confirm the lamp is operating (see Section 9).
13. Close and lock the cover. Store the keys safely.

Assembly - quartz sleeve and lamp

Wear gloves when handling the quartz sleeve and lamp. Marks or fingerprints interfere with UV transmission. If soiled, clean with an alcohol-based cleaner.

A. Open the cover. Remove the lamp connector from the top nut, disconnect the ground wire and unscrew the black sleeve bolt. Take care of the blue gasket inside.



B. Insert the quartz sleeve, carefully centring it in the seat at the bottom plate of the UV chamber.

C. Fit the O-ring onto the quartz sleeve.

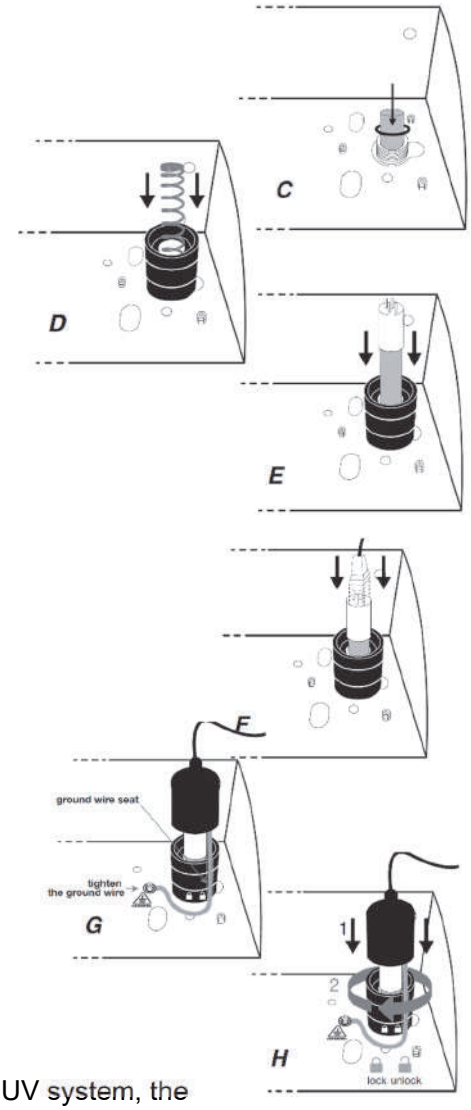
D. Tighten the sleeve bolt and drop the spring into the quartz sleeve.

E. Slowly insert the UV lamp into the quartz sleeve.

F. Connect the lamp connector to the pins on the lamp. The pins are arranged in a rectangle to ensure correct orientation

G. Place the ground wire in its seat on the black sleeve-bolt. Reconnect the ground wire to the frame.

H. Push the black cap onto the black sleeve-bolt and turn clockwise to lock.



Reversing the flow direction

The default configuration is water inlet from the left.

To reverse the direction of flow, unscrew the filter housings, the UV system, the earthing and the power supply box, then reassemble so that the UV chamber is on the left and the filter housing inlet on the right, with the UV lamp controller slightly to the left. Re-fit the gauges.

Ensure the earth strap is refitted, and check that water flows through the filters in the correct direction - always through the housings before the UV chamber.

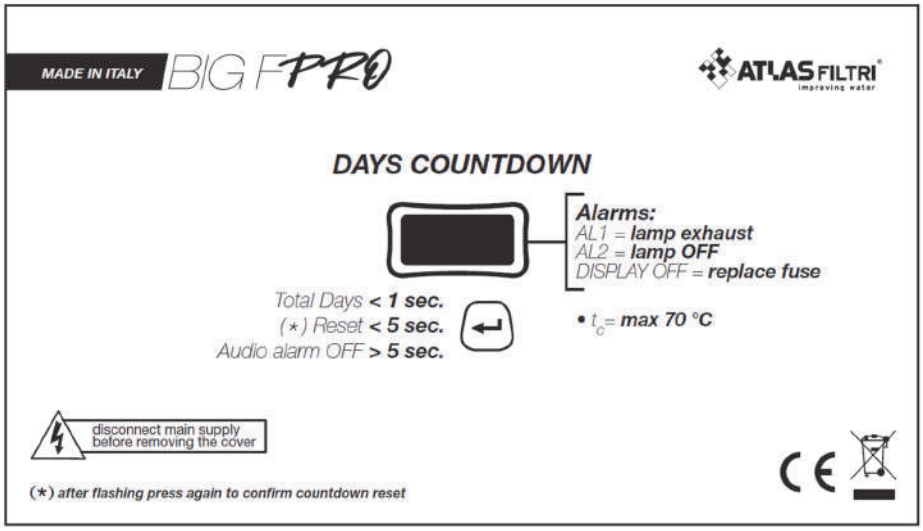
9. Operating Instructions

Prior to performing any work on the UV system, always disconnect the power supply. Do not look directly into ultraviolet rays emitted from the UV lamp - they cause serious burns to unprotected eyes. Never operate the lamp when it is removed from the appliance enclosure.

Treated water may seem warm for a short period at first flow - the UV lamp emits heat into the chamber when no water is flowing. When turning on a tap, let the water run for a short time to purge any warm water. Where this is a nuisance, an optional thermostatic purge valve (ATL-PURGEVALVE) can be fitted to automatically manage UV chamber temperature.

Flush the system for 10 minutes after any period of non-use of more than 2 days. After 2 weeks or more of non-use, cartridge replacement may be necessary.

UV controller display



At start-up: indication of the software version, followed by the lamp working-days countdown (days of lamp life remaining.) Lamp life = 1 year: 365 days.

No power (connect to power supply) | Indication of the software version | Working days count down (lamp life 1 year)

Press ↵ for less than 1 second to view system total working days

UV controller Alarms: AL1

Indicates the end of lamp life (count-down timer shows 0 days)

Replace the UV lamp and reset the working days count down. To reset the working days count down replace the lamp and press and hold for less than 5 seconds the button. The value of the days-meter will start to flash. Within 5 sec press the button again to confirm the days-meter reset. If not confirmed within 5 seconds, the meter reverts to the current value.

UV controller Alarms: AL2

Indicates lamp failure.

Check:

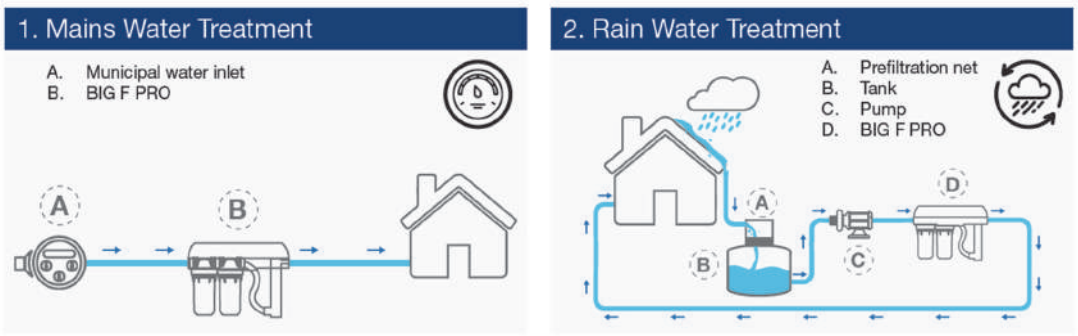
- Lamp connection.
- Whether the lamp is burnt out by testing a new lamp.
- Whether the lamp starter has failed by testing a new lamp.

ATTENTION: never replace the lamp with power connected to the unit.

If the display does not turn on, replace the fuse in the UV control panel (5 x 20 mm, 1.6 A fast-blow).

Alarm mute:

Press and hold (max 4 times). for more than 5 seconds the button to mute the alarm for 7 days



Big F Pro can be used with **treated** bore water. That is, water treated to ensure it meets the incoming water quality parameters *(See Section 8)*

10. Fault-finding

Symptom	Cause	Remedy
Display shows AL1 (with buzzer)	End of lamp life — the countdown timer has reached 0 days.	Replace the UV lamp and reset the working-days countdown (Section 9). Alarm can be muted for 7 days, max 4 times.
Display alternates AL2 / OFF (with buzzer)	Lamp failure — lamp connection fault, burnt-out lamp, or failed lamp starter.	Check the lamp connection; test with a new lamp to isolate a burnt-out lamp or failed starter. After replacement, disconnect and reconnect power, then reset the days meter.
Display OFF	Power supply off or blown fuse on the PCB.	Disconnect power. Unscrew the cap of the power supply box, remove the small fuse box near the power supply plug and replace the fuse (5 x 20 mm, 1.6 A fast-blow).
Pressure drop of 1 bar or more between gauges	Sediment cartridges blocked.	Replace the filter cartridges (Section 11).
Water leak at housing	O-ring worn, damaged, dry or incorrectly seated.	Depressurise, open the housing, fit a new lubricated O-ring and re-tighten the bowl. Re-check for 48 hours.
Warm water at first draw-off	Normal - lamp heat transfers to stationary water in the chamber.	Run the tap briefly to purge, or fit the optional purge valve (ATL-PURGEVALVE).

11. Maintenance and Replacement Parts

The BIG F PRO HYDRA -SANIC series is designed with simple, functional features that make checking and periodic servicing easy. To maintain a high quality of disinfected water, the cartridges, lamp and quartz sleeve must be regularly checked and replaced (frequency depends on water quality and usage). Maintenance must only be carried out by persons familiar with these instructions and the applicable safety and hygienic practices. Always disconnect the power supply before performing any work on the unit.

Service intervals

- **Self-cleaning cartridge** - backwash in counter-current regularly (see Section 9); replace with a new cartridge at least every 48 months.
- **Sediment cartridges** - replace every 3–6 months, or when the pressure drop across the unit exceeds 1 bar (100 kPa / 15 psi).
- **UV lamp** - replace every 9,000 hours / one year.
- **Quartz sleeve** - clean at least quarterly; more frequently on poor water quality. Replace if it cannot be cleaned or is damaged.
- **Quartz sleeve** O-ring - replace annually.
- **Housing bowl O-ring** — replace with every cartridge replacement, or at least annually.

Routine maintenance of the self-cleaning filter

Routine maintenance consists of flushing the Stage 1 cartridge by opening the drain valve for 15 - 20 seconds.

The minimum flow rate required for effective backwashing is 2,000 L/h (33 l/min).

If the cartridge is not perfectly clean after flushing, repeat the operation one or more times until the desired cleanliness is reached.

Extraordinary maintenance of the self-cleaning filter

Over time, routine cleaning may become less effective as the cartridge mesh clogs. In this case:

1. Shut off the water flow upstream of the filter.
2. Release the filter pressure by opening a tap downstream of the filter.
3. Open the filter by unscrewing the bowl from the head using the supplied spanner.
4. Remove the cartridge, wearing protective gloves to prevent scratches from the worn mesh.
5. Clean the cartridge under a jet of cold water, using a soft brush to remove impurities.
6. Insert the clean cartridge in the bowl and screw the bowl onto the head, fitting a new lubricated O-ring.

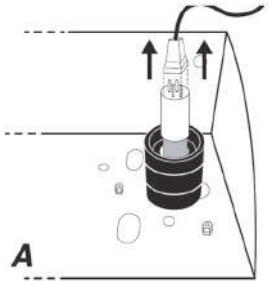
Cartridge replacement

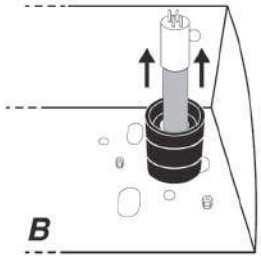
1. Turn off the water mains.
2. Release pressure by unscrewing the vent valve on the housing head, then re-tighten it.
3. Unscrew the housing bowl using the supplied spanner and remove the used cartridge.
4. Wipe the housing clean with cold water and a soft sponge.
5. Unwrap and fit the new cartridge.
6. Fit a NEW O-ring to the top of the housing bowl - check it is properly located, lubricated and undamaged - then tighten the bowl to the head. Do not over-tighten.
7. Turn the water mains on, purging all air from the housing via the vent valve.
8. Slowly open a tap downstream of the unit, open the vent valve until water purges the remaining air, then re-tighten.
9. Let the water flow for at least 5 minutes before use.

Check the head-to-bowl seal remains leak-free for 48 hours after any service. In case of leakage, open the housing, fit a new lubricated O-ring, re-tighten and repeat the check. Dispose of used cartridges in accordance with local regulations.

Lamp replacement (every 9,000 h / one year)

1. Disconnect the power supply and turn off the water.
2. Unlock and open the metallic cover.
3. Release the water pressure using the valves on top of the housing heads.
4. WAIT until the lamp has cooled down. Wearing gloves, lift the black cap with a slight turn, carefully release the 4-pin electrical connection and extract the old lamp from the quartz sleeve.
5. Handling it only by its ends, insert the new lamp into the quartz sleeve.
6. Reconnect the lamp connector, reposition the black cap on the black bolt and turn clockwise to lock.
7. Reconnect the power supply, turn on the water, and reset the days meter (Section 9).





Quartz sleeve cleaning / replacement

Minerals dissolved in the water form a coating on the quartz sleeve which reduces disinfection performance. With the power disconnected, water off, pressure released and the lamp removed as above, wait for the sleeve to cool, then unscrew the sleeve bolt and carefully extract the quartz sleeve. Wipe it clean with a cloth soaked in a mild acid solution such as vinegar, lemon juice or CLR. If the sleeve cannot be cleaned, or is damaged, replace it. Reassemble following the Assembly procedure in Section 8, turn the water on checking for leaks, refit the lamp and cover, and reconnect power. Let water flow for at least 5 minutes before use.

After any extended period of inactivity, perform all maintenance operations: replace the sediment cartridges, clean the quartz sleeve, and check or replace the UV lamp.

System disinfection

Use the following procedure to fully disinfect the household or facility lines before a new installation, or after service or shutdown of the unit:

1. Remove any dead ends in the lines that could harbour bacteria.
2. Unscrew the sumps and remove the cartridges. Fill the first sump with 1 cup of unscented household bleach (5.25% chlorine) and refit the sump.
3. Slowly turn on the water supply and run each outlet - taps, toilets, shower heads - until chlorine can be smelled, then close it. Wait 30 minutes to allow disinfection.
4. Turn off the water inlet and refit the cartridges. Turn the water back on and flush every outlet until the chlorine smell can no longer be detected.

Replacement parts

To maintain performance and warranty, use only genuine Atlas Filtri replacement parts.

Part Number	Item Code	Description	Suits Unit
ATL-HYDRABIGRAH90MCR	810726	RAH self-cleaning cartridge	256, 267 - stage 1
ATL-UVLAMP56WBIGFPRO	807763	56W UV lamp (LPHO, 9,000 h)	256 - 594 mm total length
ATL-UVLAMP67WBIGFPRO	807764	67W UV lamp (LPHO, 9,000 h)	267 - 608 mm total length
ATL-QS56WBIGFPRO	807765	56W quartz sleeve	256 - 650 mm long
ATL-QS67WBIGFPRO	807766	67 W quartz sleeve	267 - 720 mm long
ATL-CONTROLLERBIGFPRO	807767	Big F Pro controller	All models
ATL-BIGFPROFUSE	808703	Replacement fuse, power supply (5 × 20 mm, 1.6 A fast-blow)	All models
ATL-BIGFPROQUARTZORING	808704	Quartz sleeve O-ring	All models
ATL-BIGFPROLAMPSPRING	811463	Replacement lamp spring	All models
ATL-HV1-CHAMBER	811064	UV chamber for 56 W lamp	256
ATL-HV2-CHAMBER	811065	UV chamber for 67 W lamp	267
ATL-PURGEVALVE	810150	UV temperature management purge valve, brass TMV 1"	All UV units (Optional)
ATL-BIGFPRO256MAINKIT	810363	Standard maintenance kit: cartridges, UV lamp, quartz sleeve, O-rings	256
ATL-BIGFPRO267MAINKIT	810364	Standard maintenance kit: cartridges, UV lamp, quartz sleeve, O-rings	267
ATL-TS20BIGSX20MCR	807308	20-mic pleated polyester 20" BIG	256, 267 - stage 1

The UV lamp contains mercury vapour. At end of life, both lamps and electrical components must be treated as special waste - do not dispose of with normal household rubbish. Dispose of in accordance with local environmental regulations, or return to a specialised recovery centre.

12. Specifications

	BFP HYDRA-SANIC 256	BFP HYDRA-SANIC 267
Recommended flow at 30 mJ/cm² UV dose	256: 70 L/min	95 L/min
UV chamber flow at 40 mJ/cm² dose	54 L/min	72 L/min
UV-C transmittance (min)	95% @ 1 cm	
Water temperature range	4 – 40 °C	
Max working pressure	8.3 bar	
Total consumption	61 W	73 W
UV lamp	56 W LPHO, 9,000 h lifespan	67 W LPHO, 9,000 h lifespan
UV reactor	Stainless steel 304, flow bottom to top	
Connections	1" BSPP	
Mounting	Vertical	
Control panel	Thermoplastic, IP54, 218 x 113 x 60 mm, digital display	
Power supply	AC 110–240 V, 50/60 Hz	
Cables	Lamp 0.6 m, power supply 2 m	
Days meter	Total system life + resettable lamp-life countdown, audio alarm with mute	

13. Warranty – General Understanding

Warranty applies to **manufacturing or material defects.**

The unit must be handled according to the instruction manual and must not be modified or repaired by anyone other than an authorised service agent.

Warranty is void in cases of: non-compliance with instructions including freezing; attempted repair or technical modification; use of non-original parts; physical or malicious damage; inappropriate use including industrial or continuous operation; use on water outside the water quality parameters in Section 8; or lack of maintenance or cleaning.

All warranty claims are on a return-to-base basis and must be accompanied by all accessories, proof of purchase, proof of sale, and a clear description of the issue or observed symptoms. Installation photos will expedite the process.

A repair or exchange during the warranty period does not extend the original warranty. This warranty applies to the original purchaser or end user only and is non-transferable.

White International is not liable for ANY costs associated with site attendance, diagnostic assessment, labour, travel, or reinstallation arising from a warranty claim. Warranty coverage is limited to the defective unit only.

14. Warranties – Terms and Conditions

This warranty is given in addition to the consumer guarantees found within the Australian Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 NZ for goods purchased in New Zealand:

1) White International Pty Ltd / White International NZ Ltd (White International) warrant that all products distributed are free from defects in workmanship and materials, for their provided warranty period as indicated on the top or opposite side of this document. Subject to the conditions of the warranty, White International will repair any defective products free of charge at the premises of our authorised service agents throughout Australia and New Zealand if a defect in the product appears during the warranty period. If you believe that you have purchased a defective product and wish to make a claim under this warranty, contact us on our Sales Hotline on 1300 783 601, or send your claim to our postal address or fax line below and we will advise you as to how next to proceed. You will be required to supply a copy of your proof of purchase to make a claim under this warranty.

2) This warranty excludes transportation costs to and from White International or its appointed service agents and excludes defects due to non-compliance with installation instructions, neglect or misuse, inadequate protection against the elements, low voltage or use or operation for purposes other than those for which they were designed. For further information regarding the suitability of your intended application contact us on our Sales Hotline on 1300 783 601. If you make an invalid claim under this warranty, the original product will be sent back to you unrepaired.

3) This warranty refers only to products sold after the 1st January 2012, and is not transferable to another product type and only applies to the original owner, purchaser or end user, and is in addition to the consumer guarantees found within the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.

4) Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

5) To the fullest extent permitted by law, White International excludes its liability for all other conditions or warranties which would or might otherwise be implied at law. To the fullest extent permitted by law, White International's liability under this warranty and any other conditions, guarantees or warranties at law that cannot be excluded, including those in the Competition and Consumer Act 2010 (Cth), is expressly limited to: (a) in the case of products, the replacement of the product or the supply of equivalent product, the payment of the cost of replacing the product or of acquiring an equivalent product or the repair of the product or payment of the cost of having the product repaired, is at the discretion of White International or a 3rd party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand; and

6) To the fullest extent permitted by law, this warranty supersedes all other warranties attached to the product or its packaging.

7) In the case of services, supplying the services again or the payment of the cost of having the services supplied again, is at the discretion of White International or a 3rd party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.

8) Our warranty commences from the date of purchase of the above-mentioned products. Proof of purchase is required before consideration under warranty is given.

Print a copy of this page and record your date of purchase in the space below.
Retain the printed copy along with your purchase receipt for your records.

Date of Purchase ..... **Model Purchased** .....

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