

CHAPITRE 3: WATER TREATMENT SYSTEMS

- WATER SOFTNER
- UV GENERATOR
- ANTISCALE SYSTEMS
- WATER TREATMENT UNIT
- POTABILIZER

- **Water softeners**

Water Softeners

The water softeners are ideal for washing boats, cars, trucks and large vehicles by eliminating calcium from water, no annoying white spots will appear on the cleaned surfaces.

The water softeners reduce cleaning time, the consumption of detergent and makes drying of cleaned surfaces superfluous. Scaling in pipes and appliances is avoided, too.

With the passage of water through a bed of synthetic resins, salts of calcium and magnesium are retained, thus eliminates excessive hardness.

Simple and functional, composed of a container for resins, one for salt, a programmable control unit (automatic models) and a flow meter: you just have to add salt time to time.

The resin regeneration is automatic by cyclic flushing with saturated salt solution contained inside connected to the softener.





<i>Model</i>	<i>Flow (m3)</i>	<i>Conso. sel</i>	<i>Diam. tank</i>	<i>Weight (kg)</i>	<i>reference</i>
SPF 10	1	1	260 x 190 x 1000	18	AR21261
SPF SEMI-AUTO	1	1	520 x 300 x 730	24	AR21262
AD/APX/12/2	1.2	1.5	400 x 180 x 1100	45	AR21263
AD/BTD 18	1.2	2	210 x 210 x 700	32	-
AD/BTD 28	2	3	260 x 260 x 1100	42	-

UVC generator

The UVEO range comprises systems that act against micro-organisms that may accidentally exist in drinking water, such as bacteria, viruses, fungi or mould.

The treatment principle is based on UVC properties. UVC kill both germs and bacteria. Any living cell can be destroyed by UVC radiation on a wavelength of 253.7 nm.

These devices are also available equipped with a cell of measure UVC allowing to control the radiation of the UV lamp.

They can be also equipped optional of faucets grips samples to realize samplings before and after treatment



Model	Litres/H	Reference
Uveo 36	2000	AR21425
Uveo 55	3000	AR21426
Uveo 95	5000	AR21427

Spare parts

Model	Reference
Lampe pour Uveo 36	AR21432
Lampe pour Uveo 55	AR21433
Lampe pour Uveo 95	AR21434
Adaptateur 12V pour Uveo 36,55,95	AR21431

TECHNICAL CHARACTERISTICS

- Power supply required 230 V - 50 Hz + earth.
- Case in 304 L stainless steel.
- Low pressure UVC lamp.
- Electronic ballast.
- Lamp should be changed once per year (every 9000 hours of operation).
- Fuse: F. 5 x 20 T 1A.
- Pure silica quartz.
- EPDM and silicone seals.
- Water pressure: 2 to 5 bars (max.). Install a pressure reducer if water pressure exceeds 5 bars.
- Module mounted on chamber (saves space).
- Package dimensions: 609 x 46
- Lamp operation indicator

Electronic anti-scaling



- Removes existing scaling by gradually decomposing it.
- Prevents further scaling deposits, thus protecting the entire system, including pipes.
- Helps remove deposits due to water evaporation (by wiping off, not by abrasion) on sinks, washbasins and taps, etc.
- Allows water heaters to remain efficient and maintain output performance.
- The water, without being softened, is not chemically treated in any way and conserves its original mineral content. It remains drinkable and conserves its original calcium carbonate and mineral salts content that is beneficial for health.
- The scale preventer doesn't use salts and therefore doesn't release sodium into the water. No servicing or consumable ingredients are required.
- Operation does not involve any increase in water consumption.
- Low electricity consumption: 4.5 kW per month, i.e. less than one euro per month.
- Easy to install on new or existing pipe systems.
- Compact.

model	Max flow (L/h)	Thread	Cold water/ hot	Reference
Inhibiteur 5106	3000	1"	Oui/oui	AR21439
Inhibiteur 5150	7000	1" 1/2	Oui/non	AR21440
Inhibiteur 5180	15000	2"	Oui/non	AR21441

Technical characteristic

- Service pressure: from 0 to 4 bars (relative).
- Max flow: 3000 l/h.
- Fuse: 63 mA timed.
- Electrical rating: max 10 VA.
- Waterproofing: IP 31.
- Water temperature range: +5 to +70 °C.
- Connection to single phase mains supply 230 V AC 50/60 Hz + earth.
- Protected against mains overvoltages.
- Descaling treatment power selector:
 - position 1 for water with TH < 25 °F,
 - position 2 for water with TH ≥ 25 °F.
- Water hardness accepted up to 60 °F or 34 °HD.
- Connections: ¾" or 1" depending on model.
- No pressure drop.
- Elements in contact with water in special grade steel.

Central treatment unit

- **5 in 1**



The 5 actions of the unit

- Eliminates scaling and descales the system by electrical fields.
- Filters water and traps pollution by fine filtering.
- Eliminates the unpleasant chlorine taste by adsorption.
- Reduces the presence of pesticides and herbicides.
- Disinfects the water by killing the micro-organisms by UVc radiation.

Référence : AR21600

Installation

The unit is installed on the incoming water supply and treats the water for the boat.

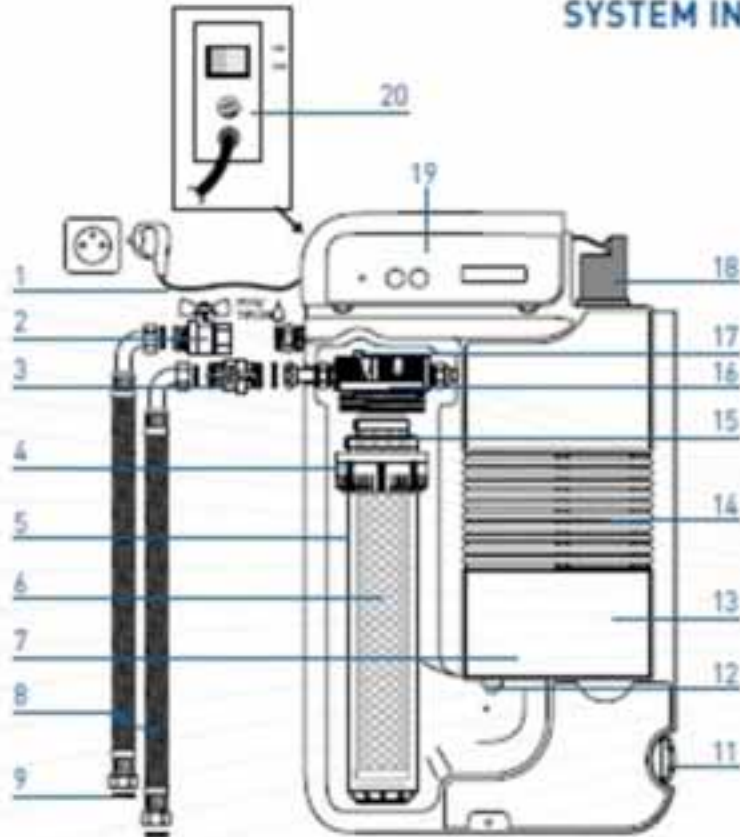
The installation is detailed, step by step, in the technical manual.

When the water system has been installed, starting up the unit treats the water in your system immediately

Maintenance

Little maintenance is required. Only the UVc lamp and filter cartridge should be changed annually

SYSTEM INTERNAL ELEMENTS



- | | |
|--------------------------------------------|-----------------------------------------------------|
| 1. Electrical power cable. | 12. Water purge. |
| 2. « Filtered water outlet » on/off valve. | 13. Anti-bacteria treatment chamber. |
| 3. « Water inlet » on/off valve. | 14. UVc lamp. |
| 4. Filter nut. | 15. Bowl seal. |
| 5. Filter bowl. | 16. Filter head. |
| 6. Filter cartridge. | 17. Air purge. |
| 7. Anti-scaling treatment chamber. | 18. UVc lamp hood. |
| 8. Hoses (x2), optional. | 19. Control panel. |
| 9. Flat seals. | 20. ON/OFF switch, indicator light and fuse holder. |
| 10. Screws and plugs. | |
| 11. Filter wrench and stowag. | |

Potabilizer

Include in the kit :

1 tank 8x35 / 25 liters

1 dispensing head E/S : 3/4"

1 bag 16 L. (25kg) AQUA JURAPERLE



Caractéristiques :

1 bag can treat 70-80 m³

Flow rate : 200L/min

Référence : AR21551

Spare parts :

Bag of 16L (25kg) : *AR21598*

Flow meter : *AR21599*



Available in other capacity



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