

CHAPITRE 2 : FILTRATION SYSTEMS

- **FILTRATION SYSTEMS**
- **HIGH FLOW FILTERS**
- **SEA WATER FILTERS**

Filtration systems :

Key filters

- **BFS filter**

Perfect for filtration of fresh and sea water.
Mounted on stainless steel

Le BFS 1 – one filter housing with single or double filtration cartridges 10” and 20”

BFS 2 – two filter housing with single or double filtration cartridges 10” and 20”

BFS 3 - three filter housing with single or double filtration cartridges 10” and 20”

for the model 2 and 3 BFS we suggest to combine a single or double filtration cartridge and one with activated carbon



<i>Model</i>	<i>Flow/heure maxi</i>	<i>Weight (kg)</i>	<i>DIMENSIONS L-l-h (cm)</i>	<i>Code</i>	<i>Public Price HT</i>
BFS 2 10"	9000	6	28 x 15 x 37	AR21253	210.00€
BFS 3 10"	9000	8	42 x 15 x 37	AR21254	250.00€
BFS 1 10" BB	16000	5	19 x 22 x 40	AR21255	250.00€
BFS 2 10" BB	16000	8	38 x 22 x 40	AR21256	240.00€
BFS 3 10" BB	16000	12	58 x 22 x 40	AR21257	320.00€
BFS 1 20" BB	16000	7	19 x 22 x 67	AR21258	295.00€
BFS 2 20" BB	16000	10	38 x 22 x 67	AR21259	320.00€
BFS 3 20" BB	16000	14	58 x 22 x 67	AR21260	425.00€

○ **Filtration and polyphosphate protection compound**

Complete waterproof double filter, assembled.

- Polypropylene caps.
- Transparent filter holder in acrylonitrile styrene.
- 20 microns filtration cartridge, item number 517510 and polyphosphates cartridge, item number 527509
- Working pressure: from 0 to 6 bars (bursting 30 bars).
- Water temperature: from 5 to 35°C.
- Max.instantaneous flow: 3000 l/h.- Capacity:up to 180 m³.
- Water quality: up to 40°F or 20°dH.
- Inlet/Outlet 3/4" brass
- Integrated air bleeds in the heads.
- Attachement by double bracket
- Filter holder cap wrench for dismantling the cartridge.



E/S	high	Reference
3/4" mâle	9"3/4	AR21460

Spare parts :

Désignation	Référence
Carbon filter PENTEK 9"3/4	AR 20778
Polyphosphate filter Basic Eco	AR21464
Charging bag polyphosphates Basic Eco 400g	AR21467
Charging bag polyphosphates 1kg	AR21466

Tap mini filter



Réf : AR21458

The Altipur mini tap filter integrates perfectly into all kitchens and produces high-quality, healthy and tasty water straight from the tap.

Ideal for drinking, herbal teas and cooking preparations, it removes the bad taste of chlorine, impurities and pollutant and micro-filters bacteria.

Its microporous structure with 3 filtration levels filters the water without modifying its chemical composition (mineral salts, oligo-elements). This filtration has the advantage of preserving the water's natural richness and allows you to economise on bottled water.

○ TFD filter

The TFD filter represents an exclusive water filtration based on a swirl effect.

That allows a drastic reduction in the number of wash water, energy and labor costs.

The swirl is obtained by means of a propeller at the filter. The propeller creates a twisting motion to the incoming flow. The suspended particles are moved against the wall centrifuging away from the filtering element.

This reduces the frequency of washing.

APPLICATIONS:

Used for filtration of all types of water.

Application in marine sector, industrial processes, agricultural landscape gardening, etc.

BENEFITS:

- Filtration system with a helical flow
- Modular, versatile and easy to maintain
- Made of reinforced nylon with fiberglass
- Saves water and energy
- High resistance to clogging
- Easy and quick connection
- Hydrocyclone effect

Automatic version available with automatic backflow to maximize water savings and reduce maintenance costs, and semi-automatic version.



<i>Model</i>	<i>Flow (m³/heure) 50μ - 20μ</i>	<i>Supply</i>	<i>DIMENSIONS A-B-C (mm)</i>	<i>Code</i>
TFD SEMI-AUTOMATIC	17 - 8	230V AC – 12V DC	52 x 25 x 100	AR21251
TDF AUTOMATIC	14 - 7	230V AC – 12V DC	80 x 22 x 150	-

Sea water filter

Applications: cooling sea water. They are installed on the motor water intake. Body in nickel-plated brass, cover in transparent polycarbonate. Stainless steel AISI 316 f

<i>Connections (H)</i>	<i>Delivery (L/h)</i>	<i>Dimension</i>	<i>Materials</i>	<i>Weight (kg)</i>	<i>Reference</i>
1/2"	1740	Ø 110 x 140	Laiton plaqué	2.5	AR19561
3/4"	2880	Ø 146 x 160	Laiton plaqué	3	AR19562
1	4580	Ø 146 x 160	Laiton plaqué	3.5	AR19563
1" 1/4	6000	Ø 170 x 215	Laiton plaqué	6	AR19564
1" ½	7200	Ø 170 x 215	Laiton plaqué	6	AR19565
2"	86040	Ø 188 x 235	Laiton plaqué	6	AR19566
2" ½	12000	Ø 230 x 280	Laiton plaqué	12	AR19567
3"	15400	Ø 230 x 315	Laiton plaqué	15	AR19568
4"	20000	Ø 220 x 410	Laiton plaqué	18	AR19569

<i>Connections (V)</i>	<i>Delivery (L/h)</i>	<i>Dimension</i>	<i>Materials</i>	<i>Weight (kg)</i>	<i>Reference</i>
3/4"	3000	Ø 108 x 143	Laiton plaqué	3	AR19569
1"	5000	Ø 108 x 143	Laiton plaqué	3.5	AR19570
1" ¼	8000	Ø 134 x 175	Laiton plaqué	6	AR19571
1" ½	12000	Ø 134 x 175	Laiton plaqué	6	AR19572
2"	19000	Ø 165 x 210	Laiton plaqué	6	AR19573

*available in cover bronze, homologate RINA.



○ **high flow filter**



Filtre à nettoyage manuel



Filtre à nettoyage automatique



Filtre à tamis

Our filter range comprises 3 types of filter:

- Manual cleaning filters: these 150 μm filters are quick to clean, with no need to remove the filter mesh. The filter cartridge is backwashed and brushed manually to remove pollution accumulated during the filtering process.

- Automatic self-cleaning filters: The principle is the same as for manual cleaning, but the cleaning is motor-powered and carried out either at a selected time interval (between 2 and 48 hours, depending on the model), or by measuring the pressure drop across the filter (cleaning activated for a drop of 0.5 bar).
- Polypropylene filter meshes are used. These filter to 25 μm and the meshes should be changed at regular intervals between 3 and 6 months, depending on use).

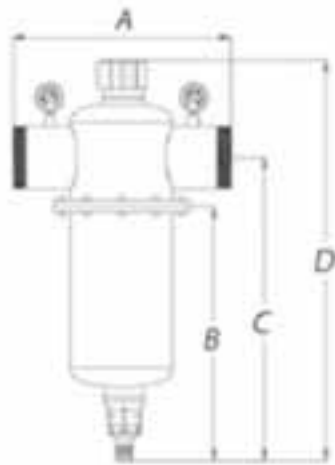
Technical characteristic

- Filtering 25 to 150 μm , depending on technology.
- Very high rate filters (from 5 to 35 m^3/h).
- Recommended service pressure: 4 bars.
- Max. pressure: 10 bars.
- Water temperature range: 5 to 40 $^{\circ}\text{C}$.
- Ambient temperature range: 5 to 40 $^{\circ}\text{C}$.
- Pressure drop: max. 0,2 bar.

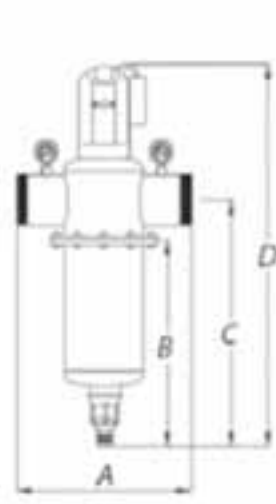
Model	Thread	Filtering	Reference
Manual cleaning filter	1"	90μ	AR21424
Automatic self-cleaning filters	2" 1/2	50/200μ	AR21408
Mesh filter	1" 1/4	25μ	AR21416

Model	Reference
Mesh spare for manual cleaning filter	AR21407
Inox cartridge for automatic filter 1"1/2	AR21414
Inox cartridge for automatic filter 2"1/2	AR21415
Mesh spare for mesh filter 25μ	AR21420

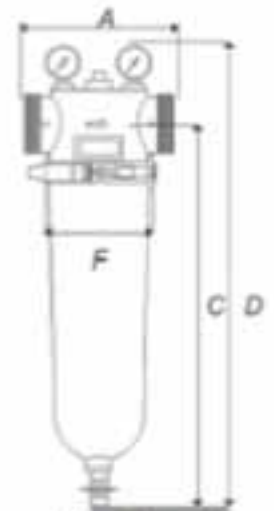
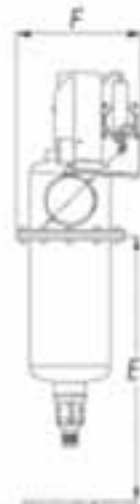
Model	A	B	C	D	E	F
Manual cleaning filter	185		270	355	400	
Automatic self-cleaning filters	310	360	430	570	650	190
Automatic self-cleaning filters	310	360	430	700	650	220
Mesh filter	270		310	380		123



Filtre à nettoyage manuel



Filtre à nettoyage automatique



Filtre à tamis



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