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• WATER TECHNOLOGIES •

2023

**Soufilter Industrial Group**

a leader in production of water purification filters and parts

—Soufilter Industrial Group—

Water is the most important factor for life, after oxygen. This liquid is %70-60 one of the main components of the body and it makes up about of the human body weight, which exists in both inside and outside the cells. Therefore, the presence of water in the body is necessary to perform the function of cells. In addition to drinking, this "liquid of life" is used directly and indirectly and more than any industrial raw material in all industries. Most of the problems of the industries are to some extent related to the dissolved salts in the consumed water, therefore, by preparing and purifying the water needed by different industries, it is possible to increase the productivity and avoid additional expenses.





In this regard, with more than a decade of effort and activity in the field of designing and producing modern water purification systems, as well as more than half a century of experience in designing and manufacturing high-quality household and industrial parts, Soufilter Group is proud to offer its services to our dear clients. With the aim of localization and relying on internal knowledge and power, this group has designed and produced water purification devices and parts, and currently we are mass-producing these products locally, and we can say with confidence and pride that 100% of the works are from The stage of design to construction and production is carried out locally.



## Soufilter 5 inches single stage housing

SouFilter Single-stage 5-inches housings with polyphosphate cartridges (to prevent lime sediments in wall packages).

Mesh filters are used to prevent sand entering the installation systems.



Transparent anti-UV and  
unbreakable housings

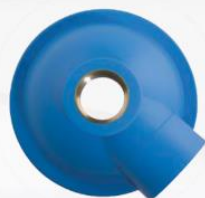


Anti-algae housings

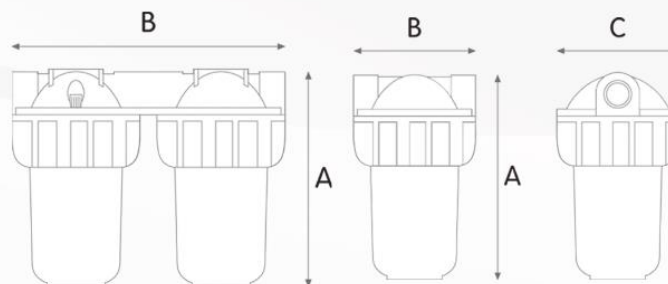




Two way inlet





L form inlet



Model	Suitable Cartridge	Inlet/Outlet	Material	Size		
				A	B	C
Single-stage Housing	5 Inches	1.2 Inch	Shatterproof PC	176	94	89
Single-stage warm water Housing	5 Inches	1.2 Inch	Shatterproof PC	176	94	89

Working condition	
8 Bar (116 Psi)	Maximum water pressure
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
80 °C	Maximum operating temperature (Thermal model)
Product specifications: All materials used in this product are non-toxic and suitable for drinking water. The O-Ring material is EPDM with food grade. The Inlet and Outlet material is brass.	



-  Cold water Housing
-  Warm water Housing

**MAX 8 BAR**

**+45  
+4 °C**

**IN/OUT 1/2" MAX L/H 3800**



## Soufilter Single stage housings

Single stage Soufilter housings with 1.2, 3.4 and 1 inch inlets in different sizes of 7, 10 and 20 inches, suitable for all kinds of filters and different uses of water filtration.

These housings can be optionally installed with a drain valve for easy removal of sand from the end of the housing (along with a mesh filter).



drain valve



Working condition	
8 Bar (116 Psi)	Maximum water pressure
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
80 °C	Maximum operating temperature (Thermal model)

Product specifications: All materials used in this product are non-toxic and suitable for drinking water. The O-Ring material is EPDM with food grade. The Inlet and Outlet material is brass.

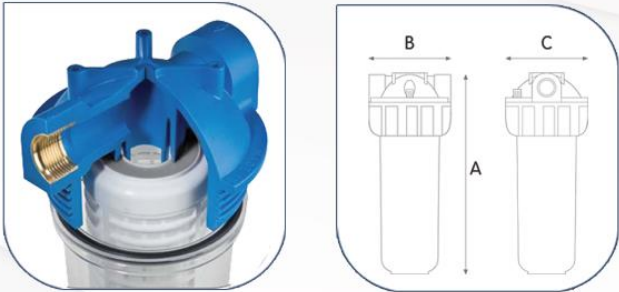
MAX 8 BAR

+45  
+4 °C

IN/OUT 1/2" MAX L/H  
3800

IN/OUT 3/4" MAX L/H  
5300

IN/OUT 1" MAX L/H  
6000



Model	Suitable Cartridges	Inlet/Outlet	Material	Size		
				A	B	C
Single-Stage Housing	7 Inches	1.2 , 3.4 Inches	Shatterproof PC	241	133	130
Single-Stage Housing	7 Inches	1 Inch	Shatterproof PC	247	145	130
Single-Stage Housing	10 Inches	1.2 , 3.4 Inches	Shatterproof PC	315	133	130
Single-Stage Housing	10 Inches	1 Inch	Shatterproof PC	321	145	130
Single-Stage Housing	20 Inches	1.2 , 3.4 Inches	Shatterproof PC	571	133	130
Single-Stage Housing	20 Inches	1 Inch	Shatterproof PC	577	145	130



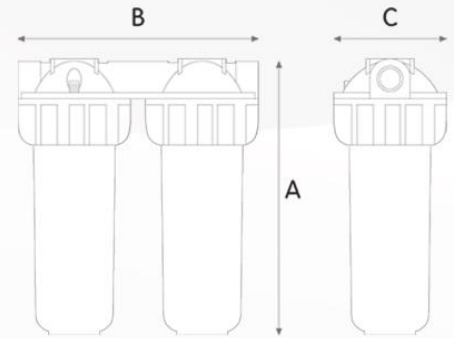


## Soufilter Two-stage housing

Two-stage Soufilter housings with 3.4 inch inlet in different sizes of 7, 10 and 20 inches, suitable for all types of filters, cartridges and various water filtration uses.







Model	Suitable Cartridges	Inlet/Outlet	Material	Size		
				A	B	C
2-Stage Housing	7 Inches	3.4 Inches	Shatterproof PC	241	275	130
2-Stage Housing	10 Inches	3.4 Inches	Shatterproof PC	315	275	130
2-Stage Housing	20 Inches	3.4 Inches	Shatterproof PC	571	275	130



Working condition	
8 Bar (116 Psi)	Maximum water pressure
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
80 °C	Maximum operating temperature (Thermal model)

Product specifications: All materials used in this product are non-toxic and suitable for drinking water. The O-Ring material is EPDM with food grade. The water Inlet and Outlet material is brass.

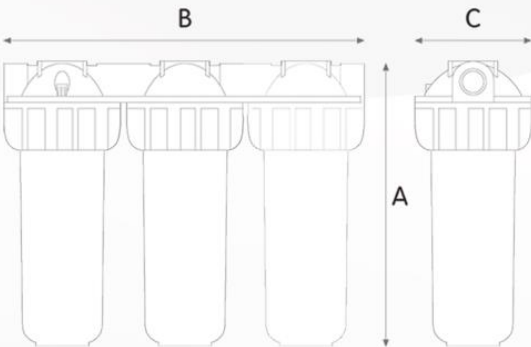


● Cold water Housing

## Soufilter Three-stage housings

Soufilter 3-stage housings with 3.4 and 1 inch inlets in different sizes of 7, 10 and 20 inches, suitable for all types of filters and different water filtration uses.





Model	Suitable cartridges	Inlet/Outlet	Material	Size		
				A	B	C
3-stage Housing	7 Inches	3.4 and 1 Inch	Shatterproof PC	241	420	13.0
3-stage Housing	10 Inches	3.4 and 1 Inch	Shatterproof PC	315	420	130
3-stage Housing	20 Inches	3.4 and 1 Inch	Shatterproof PC	571	420	130



Working condition	
8 Bar (116 Psi)	Maximum water pressure
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
80 °C	Maximum operating temperature (Thermal model)
Product specifications: All materials used in this product are non-toxic and suitable for drinking water. The O-Ring material is EPDM with food grade. The Inlet and Outlet material is brass.	

MAX 8 BAR

-45+  
-4+ °C

IN/OUT 3/4" MAX L/H 5300

IN/OUT 1" MAX L/H 6000

Cold water Housing





## Special housings for high water flow

Soufilter Single-stage housings with 1-1.4, 1-1.2 and 2 inches inlets for sand and water purification, maintaining the flow rate and the lowest water pressure drop in 10 and 20 inches sizes, suitable for installation after the pump and in the pipe path to remove sand and suspended particles using special Sand Mesh Filters with a 57 mm opening.



For steel or polyester mesh cartridges with 57 mm opening and 2 O-rings.



Model	Size	Inlet/Outlet	Material	Size		
				A	B	C
Special housings for high water flow	10"	1" 1.4	PC	341	143	130
Special housings for high water flow	10"	1" 1.2	PC	341	143	130
Special housings for high water flow	10"	2"	PC	341	143	130
Special housings for high water flow	20"	1"1.4	PC	600	143	130
Special housings for high water flow	20"	1"1.2	PC	600	143	130
Special housings for high water flow	20"	2"	PC	600	143	130

Working condition	
8 Bar (116 Psi)	Maximum water pressure
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
Product specifications: All materials used in this product are non-toxic and suitable for drinking water. The O-Ring material is EPDM with food grade. The Inlet and Outlet material is brass.	



2"



-1½"



-1¼"



IN/OUT 2"  
MAX L/H  
12.000

IN/OUT-1½"  
MAX L/H  
10.000

IN/OUT-1¼"  
MAX L/H  
8.000

+45  
+4  
°C

MAX 8  
BAR

Soufilter Jumbo housings from 1 to 2 inch inlets are suitable for jumbo filters with a diameter of 4 to 4.5 inches and a height of 20 inches, these housings are recommended for industrial uses or places that require higher performance and durability of filters compared with the "Slim model" ones. A larger diameter in the cartridge or filter inside the chamber makes the filter replacement time longer.



Model	Inlet/Outlet	Material	Size		
			A	B	C
Jumbo Housing 20 inches	1"	PP	617	190	185
Jumbo Housing 20 inches	1" 1/4	PP	617	190	185
Jumbo Housing 20 inches	1" 1/2	PP	617	190	185
Jumbo Housing 20 inches	2"	PP	617	190	185

MAX 8 BAR

+45 °C

+4 °C

IN/OUT 2" MAX L/H

12.000

IN/OUT-1½" MAX L/H

10.000

IN/OUT-1¼" MAX L/H

8.000

IN/OUT 1" MAX L/H

6.000



## Soufilter Jumbo housings







## Mini jumbo housings

Soufilter Mini jumbo housings from 1 to 2 inch inlets are suitable for jumbo filters with a diameter of 4 to 4.5 inches and a height of 10 inches, these housings are recommended for industrial uses or places that require higher performance and durability of filters compared with the "Slim model" ones. A larger diameter in the cartridge or filter inside the chamber makes the filter replacement time longer.



Model	Inlet/ Outlet	Material	Size		
			A	B	C
Jumbo Housing 10 inches	1"	PP	380	190	185
Jumbo Housing 10 inches	2"	PP	380	190	185





## Jumbo two-stage and three-stage pre-filtration package

Jumbo two and three-stage pre-filtration package is designed to purify the water entering the house, villa or workshop, like the pre-filtration packages, they are used to remove sand, mud, and the unpleasant smell and taste of water, with one difference : Due to the larger size of the filters, the filter replacement time has increased compared to the Slim model.



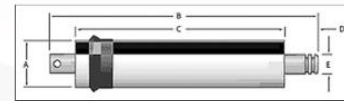
Model	Size	Inlet/ Outlet	Size(cm)		
			Width	Height	Thickness
Jumbo pre-filtration 2-stage	20"	1"	40	80	18
Jumbo pre-filtration 3-stage	20"	1"	60	80	18



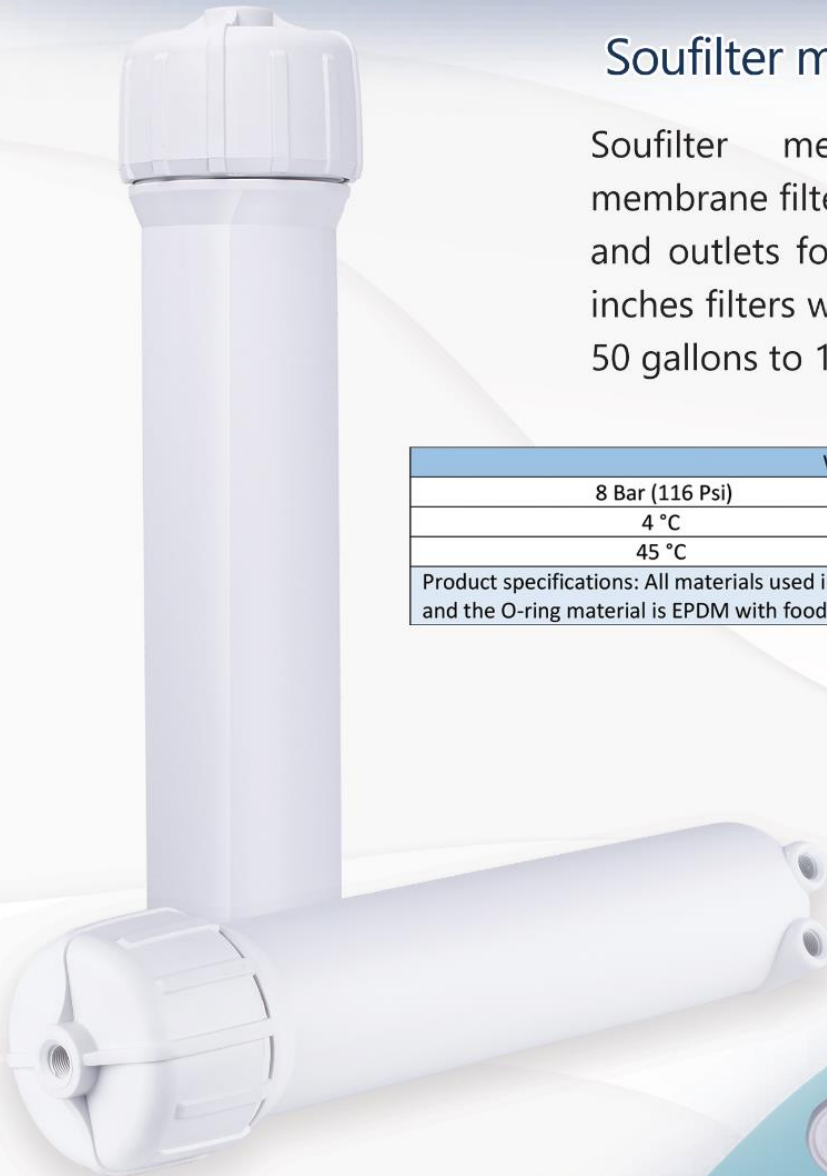
## Soufilter membrane housings

Soufilter membrane housings for membrane filters with 1.8 inch NPT inlets and outlets for all types of standard 10 inches filters with 1.5 inch diameter from 50 gallons to 100 gallons per day.

Working condition	
8 Bar (116 Psi)	Maximum water pressure
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
Product specifications: All materials used in this product are non-toxic and suitable for drinking water, and the O-ring material is EPDM with food grade.	



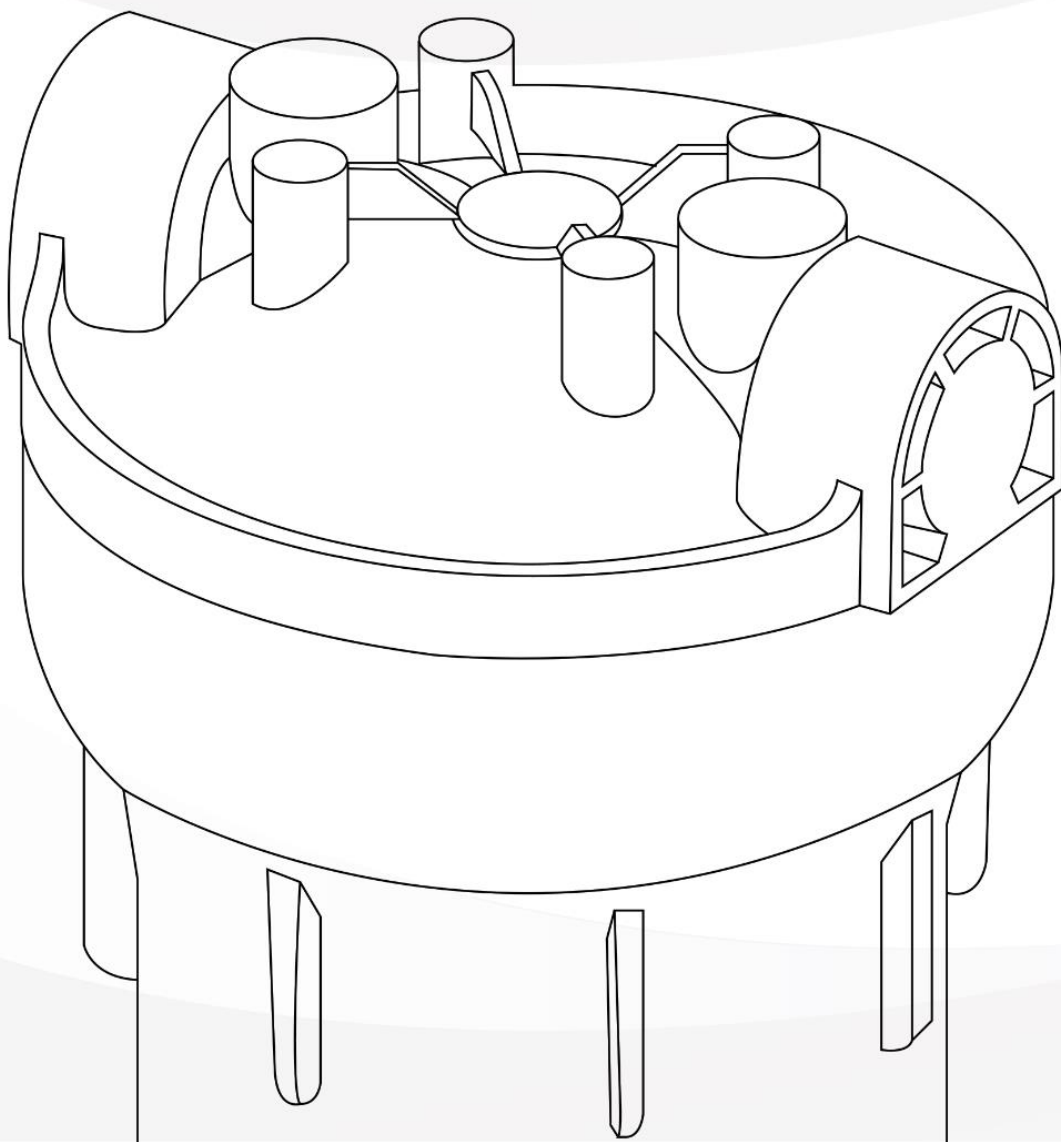
A: 1.50" B: 11.75" C: 10.00" D: 0.875" E: 0.678"







10 inches "One O-ring" housing (RO)  
( Under Construction )



## 10 inches double O-ring housing (RO)

10 inches double O-ring housing with 1.4-inch NPT inlet for multi-stage RO under-sink water purifiers in two transparent and matte white models, these housings are designed to be sealed by hand pressure while closing. Also, the place of drilling and installing the water pressure gauge is installed on the housing head.



Working condition	
8 Bar (116 Psi)	Maximum water pressure
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
Product specifications: All materials used in this product are non-toxic and suitable for drinking water, and the O-ring material is EPDM with food grade.	

### ORP - Oxidation Reduction Potential



Soufilter alkaline linear filter includes alkaline antioxidant materials that are installed in a water purifier or as a refrigerator filter, by adding materials such as calcium, magnesium, potassium, and sodium, it increases the pH of RO water by 1 to 2 units (8 to 9.5), which reduces the oxidation potential of water.

### Soufilter transparent fiber linear filter(membrane protector)



The Soufilter transparent fiber linear filter with replaceable core is for sand, mud and suspended particles, the inlet of this filter is 1.4 inch NPT. It is used for the refrigerator filter of the water purification device (membrane protector) and...



### Post Mineral Filter



The Soufilter linear mineral filter with 1.4 inlet has the task of adding useful salts to water. Inside this filter, there is a mineral stone (dolomite) that the water passing by them, receives useful minerals such as calcium and magnesium. The presence of a mineral filter in the water purifier is very useful and it enriches the water and also improves the chemical balance of the water. In the sixth stage of many household water purifiers, a filter called “Mineral filter” is placed to compensate for the useful salts taken by the membrane filter. Also, the material inside has a laboratory certificate.

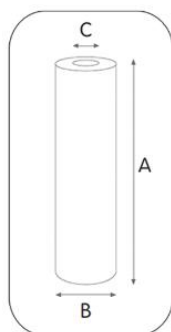
### Post Carbon Filter



The Soufilter linear Post carbon filter has a 1.4 inches inlet to remove the smell, taste and chlorine of the water. In this product, 100% herbal activated carbon is used (pistachio skin) with iodine number of 800. Also, the material of the body is food grade polypropylene.

## Soufilter Polyphosphate Cartridges (Anti Sediment)

Polyphosphate cartridges are used to prevent calcareous sediments from clogging in dishwashers, washing machines, industrial packages, boilers, foggers and wherever there is a possibility of calcium and lime sediments. This filter is available in size of 5, 7, 10 and 20 inches.



Working condition	
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
Product specifications: This product contains sodium polyphosphate with a long dissolution period and <b>its use in drinking water is not recommended.</b>	

Model	Size	Material	Size		
			A	B	C
Polyphosphate Cartridges (Anti Sediment)	5"	SAN	125	50	21
Polyphosphate Cartridges (Anti Sediment)	7"	SAN	176	70	28
Polyphosphate Cartridges (Anti Sediment)	10"	SAN	252	70	28
Polyphosphate Cartridges (Anti Sediment)	20"	SAN	510	70	28



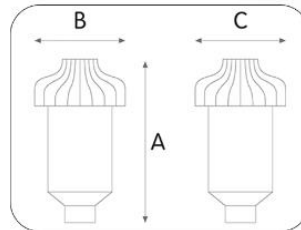


## Filters for washing machines and dishwashers

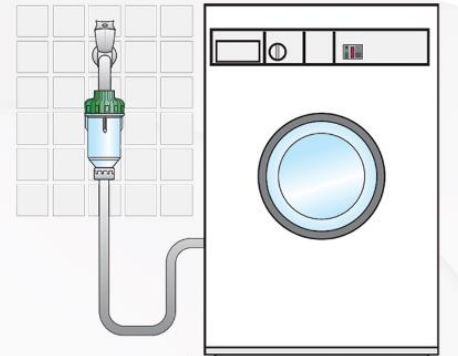
This filter, with the ability to be installed on washing machines and dishwashers, is completely different from similar models, it is very resistant and unbreakable. Like polyphosphate cartridges, it has the ability to clean and remove limescale deposits that get stuck in washing machines and dishwashers. This product will ultimately make the system work better and reduce electricity consumption in heaters.



Model	Inlet/Outlet	Material	Size		
			A	B	C
Filter for washing machine and dishwasher	3.4 Inches	Shatterproof PC	130	68	68



Working condition	
7 Bar (101 Psi)	Maximum water pressure
4 °C	Minimum operating temperature
35 °C	Maximum operating temperature
Product specifications: This product contains sodium polyphosphate with a long dissolution period and <b>its use in drinking water is not recommended.</b>	





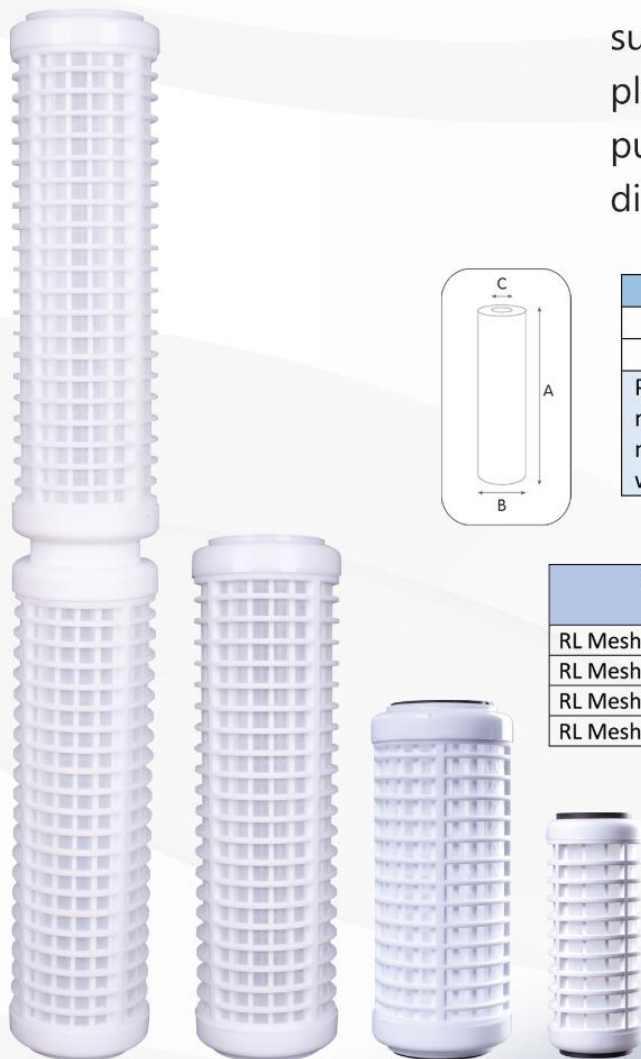
## Slim Mesh Sand Filters

These filters have the ability to purify suspended particles, sand, so they are placed in the first stages of water purification. These filters are available in different sizes of 5, 7, 10, 20 inches.



Working condition	
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
Product specifications: All materials used in this product are non-toxic and suitable for drinking water, and the O-ring material is EPDM with food grade. This product can be washed and reused.	

Model	Suitable cartridges	Material	Size		
			A	B	C
RL Mesh Filter	5 Inches	PP	122	50	20
RL Mesh Filter	7 Inches	PP	173	70	30
RL Mesh Filter	10 Inches	PP	250	70	30
RL Mesh Filter	20 Inches	PP	505	70	30





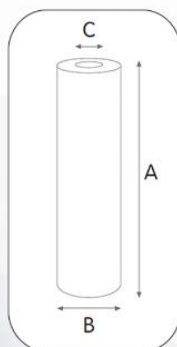
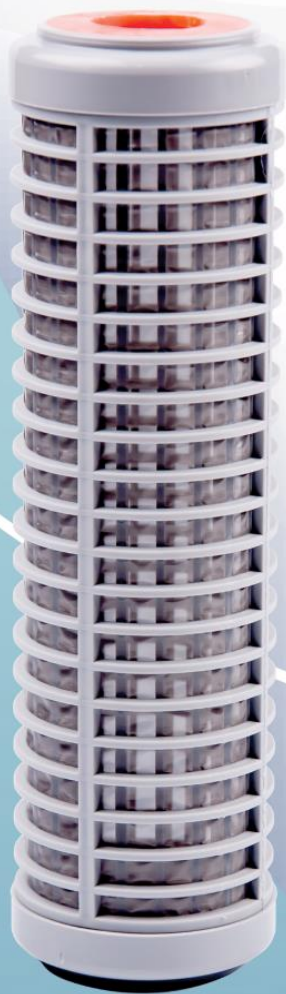
## 80 degrees Hot water purification

These housings are used together with a "Steel Mesh filter" for hot water to purify suspended particles and sand, etc. up to 80 degrees Centigrade. It is used to prevent the entry of lime and mixed impurities of the water into the utility systems and prevent them from clogging.



## Soufilter Steel Mesh Filters

This filter has a steel mesh and has the ability to filter suspended particles. Also, these filters can be used to purify hot water up to 80 degrees Centigrade. These filters are available in sizes of 40 to 60 microns and different heights of 5, 7, 10, 20 inches.



Working condition	
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
Product specifications: All materials used in this product are non-toxic and suitable for drinking water, and the O-ring material is EPDM with food grade.	

Model	Size(Inches)	Material	Size		
			A	B	C
Steel Mesh Cartridge	5	PP	122	50	20
Steel Mesh Cartridge	7	PP	173	70	30
Steel Mesh Cartridge	10	PP	250	70	30
Steel Mesh Cartridge	20	PP	505	70	30



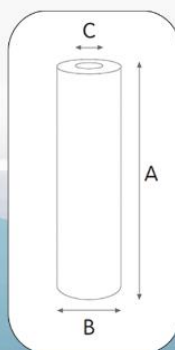


## The 10 and 20 inches Jumbo Sand Filter

The 20-inch Soufilter Jumbo Sand Filter cartridge is designed for the standard chambers of the Jumbo water filter with a height of 20 inches, and it has the ability to remove sand and suspended particles up to size of 50 microns. Also, this filter can be washed and reused.



Working condition	
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
Product specifications: All materials used in this product are non-toxic and suitable for drinking water, and the O-ring material is EPDM with food grade. This product can be washed and reused.	



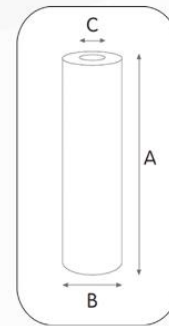


## Soufilter GAC Granular Activated Carbon Cartridge

These filters include a chamber filled with the best type of active carbon prepared from the skin of pistachio , coconut or walnut in granules (100% herbal base) to remove chlorine and microorganisms to eliminate the unpleasant taste and smell of water. This filter is available in 5 sizes. 7, 10 and 20 inches.

Working condition	
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
Product specifications: This product is a non-toxic material containing active carbon, made from the best materials (coconut skin) and suitable for drinking water.	

Model	size	Material	Size		
			A	B	C
Activated Carbon Cartridge	5"	SAN	125	50	21
Activated Carbon Cartridge	7"	SAN	176	70	28
Activated Carbon Cartridge	10"	SAN	252	70	28
Activated Carbon Cartridge	20"	SAN	510	70	28



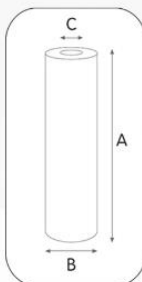


## Jumbo Activated Carbon Cartridge

Soufilter 20 inches Jumbo active carbon cartridge is used in jumbo water pre-filtration housings to reduce water chlorine, taste, unpleasant smell of water, microorganisms and water color. Also, the active carbon used in it is 100% plant which is healthier with better quality, compared to other common carbon filters that use coal carbon (anthracite). The active carbon used in this filter is made of pistachio or almond shell charcoal, which is used in some steps to increase the absorption rate of the particles up to 800 iodine, milligrams in per gram of activated carbon. Also, the filter is designed in a way that you can empty and refill the cartridge chamber if needed.



Model	Size	Material	Size		
			A	B	C
Activated Carbon Cartridge	10"	SAN	252	110	29
Activated Carbon Cartridge	20"	SAN	510	110	29



Working condition	
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
Product specifications: This product is made of non-toxic materials containing active carbon, prepared from the best materials (coconut skin) and is suitable for drinking water.	





## Water purifier tank- T4G model

This tank gives between 9 to 11 liters of water according to the wind pressure and the set pressure of the device. In this tank, raw materials are formulated and have food standards. The tube of this tank is transparent and designed in such a way that the water inside the tank does not smell for a long time. Also, this tank works with a working pressure of 50 Psi. The place of water discharge in this tank is located in the highest part of the tank, which makes all the water in it come out and prevents the remaining water inside it from getting dirty. The dimensions of this tank are measured in such a way that it occupies the least possible space under the sink.



Working condition	
50 Psi	Maximum water pressure
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
Product specifications: All materials used in this product are non-toxic and suitable for drinking water.	

In case of failure of the high-pressure switch of the water purifier and increasing the working pressure, this group is not responsible for the bursting and damage of the tube or tank body.

## The Hybrid Home Appliance Stand

This bracket is detachable, which makes it much more economical and less bulky to carry, and it is also a combination of plastic and metal, designed in such a way that all the components and parts of water purification are placed in their place, unlike the available samples in the market, they are very resistant to flexibility, also a transparent glass frame is used on it, which is optional. You can assemble the pump to the device on the plastic belt or on the main tray. It is very compact and precisely designed, all the holes and places where the water hose or wire passes and the electrical parts of the device and the bases are precisely placed, which makes the assembly of the device faster as well as the beauty of the segmentation of the device. It is also very resistant to rusting in places with high humidity.





## The Household water purifier

This water purifier has the latest and most up-to-date technology (reverse osmosis method) in the process of household water purifiers. The use of unbreakable housings with edible base materials has made the output water of this device healthy. This device has the ability to remove physical particles, sand, mud, sediments and lime, chlorine, tri-hamones, chemical pollutants and nitrates and nitrites and arsenic from water. Also, this device has a 4-gallon tank and a tap on the sink. In this device, 1 Taiwanese pump is used and it is presented with 1 quality membrane filter, this device has been water and wind tested.





## Semi-industrial water purifier



Semi-industrial water purification devices with the capacity to produce purified water of 200, 400 to 800 gallons per day is being used in restaurants, coffee shops, schools and companies and places that need to produce purified water with a higher capacity compared to the home appliance devices. In these devices, high quality Taiwanese pumps are used and they are presented along with high quality filters. This device is capable of removing physical particles, sand, mud, sediments and lime, chlorine, trichomes, chemical pollutants and nitrates, nitrites and arsenic in water. Also, this device has been tested for water and wind.

Working condition	
8 Bar (116 Psi)	Maximum water pressure
4 °C	Minimum operating temperature
45 °C	Maximum operating temperature
Product specifications: All materials used in this product are non-toxic and suitable for drinking water, and the O-ring material is EPDM with food grade.	





## Empty shells of all cartridge types

The empty shell of all types of Slim and Jumbo cartridges with a diameter of 2.5 and 4.5 inches (5, 7, 10, 20 inches height) Slim and Jumbo to fill all kinds of media (ion exchange resin, active carbon, etc.)



## All kinds of Accessories for water purification devices



Push Fit Plug



Linear filter connection clip to the body (2 to the body)



Membrane Housing connection clip to the body (2.5 to the body)



Linear Filter to Linear Filter connection clip (2 to 2)



Housing Membrane to Linear Filter connection clip (2.5 to 2)



Wall mounting bracket of Jumbo housing



Jumbo housing wrench



Soufilter housing wrench (Atlas design)



Package Filter housing wrench (Polyphosphate)



RO Device housing wrench



Membrane housing wrench



Wall mounting bracket of Slim housing





## High and Low Pressure Switches and Sewer Clamps



Low pressure switch



High pressure switch



Drain Saddle clamp

## Types of commonly used converters and connectors



3.4 to 3.8 Converter



3.4 to 1.4 Converter



1.2 to 3.8 Converter



1 to 1 Connector



1.4 to 1.4 Connector







healthy water  
healthy living...



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