

Culligan®

Water Filters & Cartridges



Culligan: World Leader in Water Treatment

High Flow Water Filters

Water Filtration

Filtration is one of the most widely used methods of water treatment; it is the process of removing turbidity from the water. Our comprehensive range of water filters use proven technology and are designed to meet a wide range of applications including protection of equipment, process water and overall improvement of drinking water quality.

Water filters provide a physical barrier to remove undesirable elements from your water supply such as particulates, bad taste, odours and even specific trace elements. There is no single filter that will work in all situations and it is often necessary to use a combination of filters to satisfy individual needs.

The sizing of a water filter will depend on a number of factors and include but are not limited to:

- Volumes of water to be treated
- Turbidity
- Suspended Solids
- Flow Rates Required
- Temperature
- Viscosity
- Site Conditions

Our dedicated sales and support teams are on hand to assist with the advice on the most appropriate filter system to suit your application.

Main Applications

- Drinking Water Supplies
- Boreholes and Spring Water Supplies
- Rainwater Reclamation
- Pre-treatment & Protection of Plant

Typical Users

- Offices, Restaurants and Hotels
- Farming Industry
- Sports and Leisure Facilities
- Manufacturing Plants
- Process Applications
- Food Processing
- Laboratories

Benefits of Filtration

Water filtration removes specific elements from a given water supply so its use is almost limitless. Using proven technology the comprehensive range can tackle an array of water problems. Filtration can provide either whole site or individual appliance protection and gives 24/7 operation, providing a continuous flow of treated water to service.

Typically filtration systems are low maintenance and can be used to increase efficiency and protect the membranes of high end filtration products including reverse osmosis. They are also used to enhance the effectiveness of ultra-violet systems.

HF Range



HF Housings are general purpose, high flow filter housings manufactured from high quality polypropylene for lightweight durability. Available in two sizes with flow rates up to 1.62l/s. The housings are supplied complete with a heavy duty support bracket and a filter bowl wrench.

HFB Bag Housing

HFB bag filter housings can be used in conjunction with HF housings and help to keep systems online for longer, reducing the frequency of bag filter changes. Manufactured from lightweight polypropylene, bag filters are cost effective and can be utilised on a number of applications. The HFB range is supplied complete with change-out gauge spanner and 3/8" drain valve.



IP2 Housing

The IP2 filter housing is a general purpose 20" filter housing with 3/4" connections. It is manufactured from high quality polypropylene and supplied complete with a support bracket and filter bowl wrench. Suitable for a wide range of applications.



NPH Hot Water Range



These filter housings are manufactured from glass reinforced nylon and are available with either 10" or 20" cartridges. The housing can withstand temperatures up to a maximum of 73°C. All housings are supplied complete with support brackets and a filter bowl wrench.

SS/FSS Range

Manufactured from high grade 316 stainless steel, the FSS range has been designed and developed to treat larger flow rates in commercial and industrial applications. The housings have both clean and dirty water drain points for easy maintenance. They are also economical in hot water environments.



SBF Range

These housings are manufactured from 316 stainless steel, the SBF range of housings have been specifically developed for providing efficient primary and secondary filtration. Such as primary protection for manufacturing and processing plant and sediment filtration on secondary hot water returns. The bag filter housing can be used with 1, 5 or 25 micron bag filters which are supplied separately.



Water Filter Cartridges

Our extensive range of water filter cartridges is designed to solve a wide range of problems within water systems. These include removal of a number of substances;

- Sediment
- Pesticides
- Taste and odour
- Organic chemicals
- Scale

Water filter cartridges come in a range of different sizes and should be selected to fit an appropriate housing. The lifespan of a filter is dependent of the quality of incoming water, some filters are cleanable allowing them a longer life. The ranges includes filters that filter down to 1, 5 or 25 microns.



Technical Specifications: Water Filter Housing

HF Specifications

Model Number	Inlet/Outlet Connections BSP (Male)	Maximum Flow* (l/s)	Maximum Pressure (BAR)	Maximum Water Temperature (°C)	Height (mm)	Diameter (mm)	Material	Number of Cartridges
HF76-1	1"	1.27	8	27	350	185	Polypropylene	1 x 10"
HF76-1.5	1 1/2"	1.27	8	27	350	185	Polypropylene	1 x 10"
HF97-1	1"	1.62	8	27	610	185	Polypropylene	1 x 20"
HF97-1.5	1 1/2"	1.62	8	27	610	185	Polypropylene	1 x 20"

HFB Specifications

Model Number	Inlet/Outlet Connections BSP (Male)	Maximum Flow* (l/s)	Maximum Pressure (BAR)	Maximum Water Temperature (°C)	Height (mm)	Diameter (mm)	Material	Number of Cartridges
HFB76	1"	1.70	6.9	38	350	185	Polypropylene	1 x 10" Bag
HFB97	1 1/2"	3.40	6.2	38	350	185	Polypropylene	1 x 20" Bag

IP2 Specifications

Model Number	Inlet/Outlet Connections BSP (Male)	Maximum Flow* (l/s)	Maximum Pressure (BAR)	Maximum Water Temperature (°C)	Height (mm)	Diameter (mm)	Material	Number of Cartridges
IP2	3/4"	0.80	5	27	585	135	Polypropylene	1 x 20"

NPH Hot Water Specifications

Model Number	Inlet/Outlet Connections BSP (Male)	Maximum Flow* (l/s)	Maximum Pressure (BAR)	Maximum Water Temperature (°C)	Height (mm)	Diameter (mm)	Material	Number of Cartridges
NP-H10	3/4"	0.33	8.6	73	308	130	Glass Reinforced Nylon	1 x 10"
NP-H20	3/4"	0.66	8.6	73	565	130	Glass Reinforced Nylon	1 x 20"

*Flow rate measured at 3 BAR

Please note: All flow rates stated are nominal flow and are based around a 5 micron sediment removal cartridge. Flow rates will differ dependent on type of cartridge utilised.

Technical Specifications: Water Filter Housing

SS Specifications

Model Number	Inlet/Outlet Connections BSP (Male)	Maximum Flow* (l/s)	Maximum Pressure (BAR)	Maximum Water Temperature (°C)	Height (mm)	Diameter (mm)	Material	Number of Cartridges
SS38	3/4"	0.3	21	121	350	85	316 ST/Steel	1 x 10"
SS76	3/4"	1.2	21	121	600	85	316 ST/Steel	1 x 20"
SS114	3/4"	1.9	21	121	860	85	316 ST/Steel	1 x 30"

FSS Specifications

Model Number	Inlet/Outlet Connections BSP (Male)	Maximum Flow* (l/s)	Maximum Pressure (BAR)	Maximum Water Temperature (°C)	Height (mm)	Diameter (mm)	Material	Number of Cartridges
FSS120-316	2"	2.0	10	121	500	260	316 ST/Steel	3 x 10"
FSS240-316	2"	4.0	10	121	770	260	316 ST/Steel	3 x 20"
FSS1135-316	3" Flange	20.0	10	95	1240	260	316 ST/Steel	15 x 40"
FSS1800-316	4" Flange	32.0	10	121	1270	520	316 ST/Steel	19 x 30"
FSS2200-316	4" Flange	40.0	10	121	1520	520	316 ST/Steel	19 x 40"

SBF Specifications

Model Number	Inlet/Outlet Connections BSP (Male)	Maximum Flow* (l/s)	Maximum Pressure (BAR)	Maximum Water Temperature (°C)	Height (mm)	Diameter (mm)	Material	Number of Bags
SBF300	2"	5.0	10	150	308	920	316 ST/Steel	1
SBF600	2"	10.0	10	150	565	920	316 ST/Steel	1

*Flow rate measured at 3 BAR

Please Note: All flow rates stated are nominal flow and are based around a 5 micron sediment removal cartridge. Flow rates will differ dependent on the cartridge utilised.

There are a number of filtering minerals available. It is important to select the correct cartridge for the application. Details are available in the table opposite:

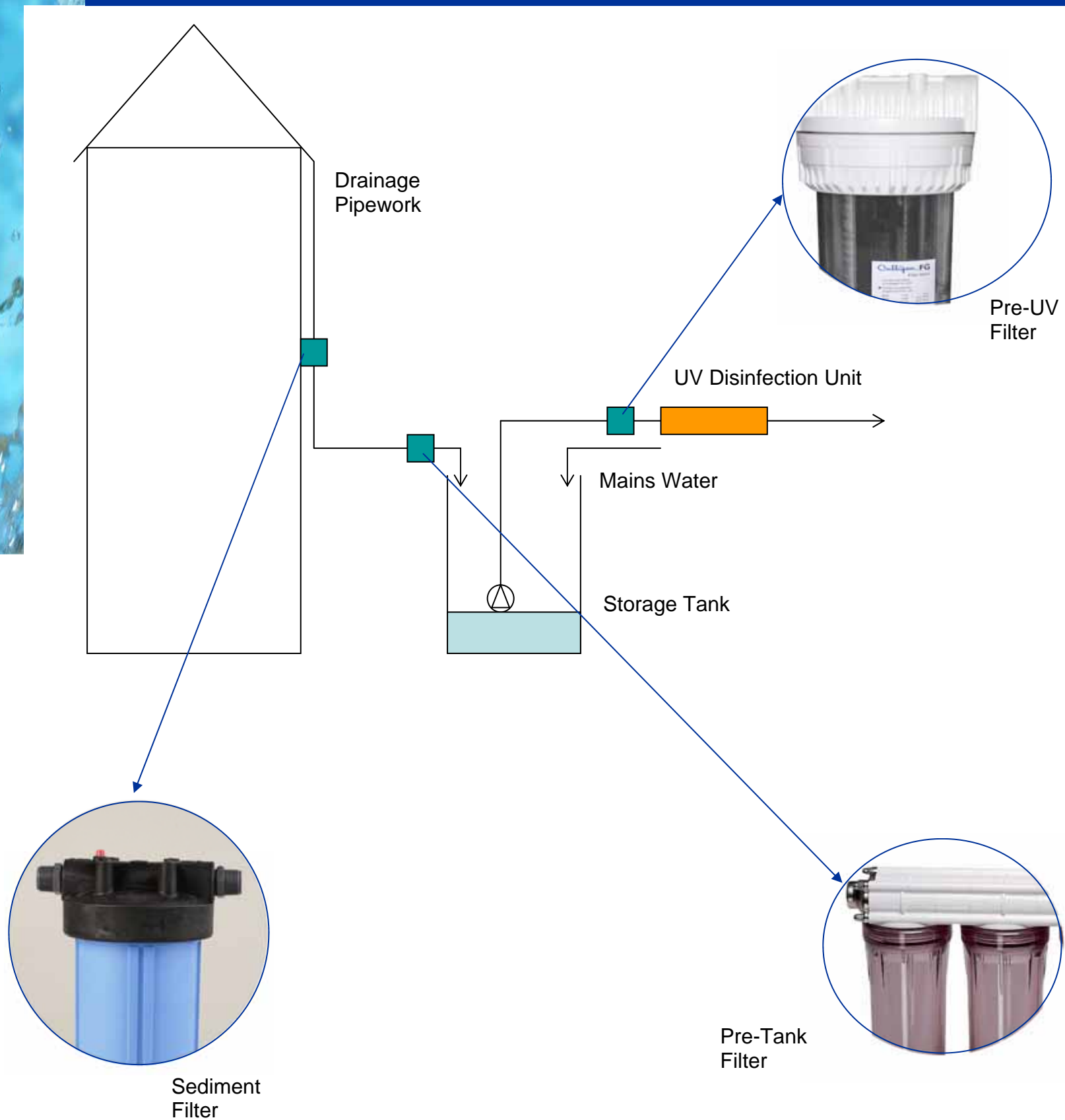
**Cartridge Selection Chart

SR– Sediment Removal
P– Pesticides
TO– Taste and Odour
OC– Organic Chemicals
SC– Scale

Technical Specifications: Water Filter Cartridges

To Suit Filter Range	Model Number	Material	Application** (see key)	Micron Rating	Cleanable	Maximum Temperature (°C)	Nominal length (")
SS38, FSS120, NP-H10	NSW1	Polypropylene	SR	1	X	95	10
SS38, FSS120, NP-H10	NSW5	Polypropylene	SR	5	X	95	10
SS38, FSS120, NP-H10	NSW25	Polypropylene	SR	25	X	95	10
IP2, SS76, FSS240, NP-H20	STW20-1	Strung Wound Polypropylene	SR	1	X	95	20
IP2, SS76, FSS240, NP-H20	STW20-5	Strung Wound Polypropylene	SR	5	X	95	20
IP2, SS76, FSS240, NP-H20	STW20-25	Strung Wound Polypropylene	SR	25	X	95	20
SS114, FSS1800	STW30-5	Strung Wound Polypropylene	SR	5	X	95	30
FSS1135, FSS2200	STW40-5	Strung Wound Polypropylene	SR	5	X	95	40
HF76	HSFW1	Polypropylene	SR	1	X	95	10
HF76	HSFW5	Polypropylene	SR	5	X	95	10
HF76	HSFW25	Polypropylene	SR	25	X	95	10
HF97	HFSW1-20	Polypropylene	SR	1	X	95	20
HF97	HFSW5-20	Polypropylene	SR	5	X	95	20
HF97	HFSW25-20	Polypropylene	SR	25	X	95	20
HF76	HFLP5	Pleated Cellulose/ Polyester	SR	5	Yes	63	10
HF97	HFPL5-20	Pleated Cellulose/ Polyester	SR	5	Yes	63	20
HF76	HFGAC5	Granular Activated Carbon	SR	5	X	52	10
HF97	HFGAC5-20	Granular Activated Carbon	SR	5	X	52	20
HFB76	HFB510	Polypropylene	SR	5	Yes	63	10
HFB97	HFB20	Polypropylene	SR	5	Yes	63	20
HF76	HFR10	Resin	SC		X	38	10
HF76	HFCR10	Carbon/Resin	TO, SC, OC, P	5	X	38	10
HF97	HFR20	Resin	SC		X	38	20
HF97	HFC20	Carbon	TO, OC, P	5	X	38	20
HF97	HFCR20	Carbon/Resin	TO, SC, OC, P	5	X	38	20
IP2	MX-1	Carbon Block	SR, TO, OC, P	5	X	52	20
IP2	C20	Carbon	TO, OC, P	5	X	38	20
IP2	R20	Resin	SC		X	38	20
IP2	CR20	Carbon/Resin	SC, TO, OC, P	5	X	38	20
SBF300	SBFB1-1	Polypropylene	SR	1	Yes	135	16
SBF300	SBFB1-5	Polypropylene	SR	5	Yes	135	16
SBF300	SBFB1-25	Polypropylene	SR	25	Yes	135	16
SBF600	SBFB2-1	Polypropylene	SR	1	Yes	135	16
SBF600	SBFB2-5	Polypropylene	SR	5	Yes	135	16
SBF600	SBFB2-25	Polypropylene	SR	25	Yes	135	16
NDL2, NP1	C1	Carbon	TO, OC, P	5	X	38	10
NDL2, NP1	R1	Resin	SC		X	38	10

Typical Filter Selection: UV Schematic



Quality Systems certified according to UNI ISO:9001

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In the interest of product development we reserve the right to alter specifications without prior notice. All photographs are to be used as guide only.
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