

Commercial Water Filtration

DBWT

15 6 7 8 9 10 11

but-uk.co.uk

WATER TREATMENT SOLUTIONS

Water Filtration

Filtration is one of the most widely used methods of water treatment; it is the process of removing turbidity from the water. 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.

While a single filter will work in some situations, it is often necessary to use a combination of single multiple and specialist filters to satisfy the needs of individual projects. The modular nature of BWT filtration products means that they can be tailored to provide an effective solution for both simple and more complex filtration issues.

BWT's comprehensive range of water filtration products use a mixture of traditional and modern materials, state of the art technology and many years of experience to provide filtration solutions suitable for a wide range of applications, including the protection of plant and equipment, the process water and the overall improvement of drinking water quality.

Correctly specified by our technical sales team, BWT filtration solutions can also be used to protect and increase the effectiveness and efficiency of other water treatment products, including water softeners, reverse osmosis and ultra-violet systems.

Illustrations and pictures are provided for guidance only Appearance of actual units vary by size.

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

TYPICAL APPLICATIONS

- Drinking water supplies
- Borehole and spring water supplies
- Rain water reclamation
- Pre-treatment & protection of plant
- Food processing plants
- Beverage processing

MARKETS

- Offices
- Hotels and restaurants
- Horticultural and agricultural
- Sports and leisure facilities
- Manufacturing
- Food processing
- Healthcare
- Education
- Laboratories

BWT Infinity RF 3/4" - 2

Manually operated backwash filter for cold water with waste water connection in accordance with DIN 1998.

- Flow rates up to 11.0m³/h
- Filter effectiveness 90 μm
- Robust and durable construction
- Impact resistant transparent cylinder with filter element
- Brass head
- Backwash reminder ring

INFINITY RF	TYPE	3/4"	1"	1 1/4"	1 1/2"	2"
Connector		module	module	module	4 hole	4 hole
Inlet/outlet connections	DN	20	25	32	40	50
Flow rate at ∆p 0.2 bar/0.5 bar	m³/h	3.5/6.0	4.5/6.5	5.5/9.0	10.0/15.5	10.0/15.5
Operating pressure (Min / Max)	bar			2/16		
Water temperature (Min / Max)	°C			5/30		
Ambient temperature (Min / Max)	°C			5/40		

BWT Infinity RF DN 65 - DN125

Manually operated backwash filter for cold water with waste water connection in accordance with DIN 1998.

■ Flow rates up to 100 m³/h

DBWT

6 7891

Π

- Filter effectiveness 100 or 200 μm
- Robust and durable construction
- Horizontal installation only

INFINITY RF	TYPE	DN 65	DN 80	DN 100	DN 125
Connector	Flange	connection i	n accordano	ce to DIN 25	501 Part 1
Inlet/outlet connections	DN	65	80	100	125
Flow rate at ∆p 0.2 bar/0.5 bar	m³/h	22/36.0	35/58.0	85/130	100/160
Operating pressure (Min / Max)	bar		2.5	5/10	
Water temperature (Min / Max)	°C		5,	/30	
Ambient temperature (Min / Max)			5,	/40	





BWT Infinity AP 3/4" - 2"

Automatically operated backwash filter for cold water with waste water connection in accordance with DIN 1998.

- Flow rates up to 10.0m³/h
- Filter effectiveness 90 μm
- Pressure difference and time-controlled, automatically operated backwashing
- Robust and durable construction
- Impact resistant transparent cylinder with filter element

-		
5	12	WT

GBWA

INF								2″
Cor	nector			module	module	module	4 hole	4 hole
Inlet/outle	t connections		DN	20	25	32	40	50
Flow rate at Δ	p 0.2 bar/0.5 ba	ar	m³∕h	4.0/7.0	5.0/7.5	5.5/9.0	10.0/16.0	10.0/16.0
Operating pre	essure (Min / Max	x)	bar			2.5/16		
Water temper	ature (Min / Max	x)	°C			5/30		
Ambient tempe	erature (Min / Ma	ax)	°C			5/40		

BWT Infinity AP DN 65 - DN125

Automatically operated backwash filter for cold water and with waste water connection in accordance with DIN 1998.

- Flow rates up to 100m³/h
- Filter effectiveness 100 or 200 μm
- Pressure difference and time-controlled, automatically operated backwashing
- Robust and durable construction
- Horizontal installation only

INFINITY RF	ТҮРЕ	3/4"	1"	1 1/4"	1 1/2"
Connector	Flange cor	nection in ac	cordance to D	DIN 2501 Part 1	1
Inlet/outlet connections	DN	65	80	100	125
Flow rate at ∆p 0.2 bar/0.5 bar	m³/h	22/35	36/55	85/170	100/160
Operating pressure (Min / Max)	bar			2.5/10	
Water temperature (Min / Max)	°C			5/30	
Ambient temperature (Min / Max)	°C			5/40	

Filter Housings

Cold water filter housings for standard and high flow applications, suitable for use with a wide range of replaceable filters. Models available for the filtration of drinking and service water.

- Flow rates up to 2.4m³/h
- Durable polypropylene construction
- Support bracket
- Filter bowl wrench
- 6 models available suitable for 10" and 20" filter cartridges

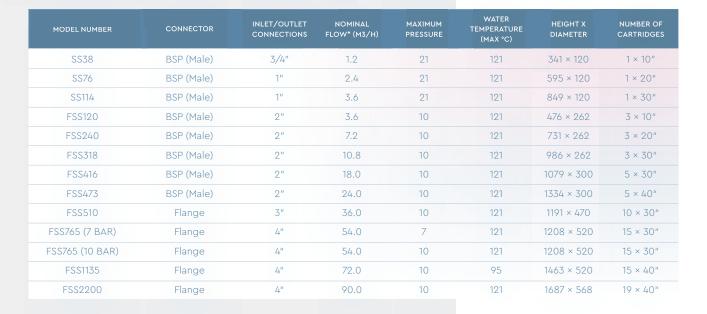
INFINITY RF		NP1	IP2	HF76	HF76-1.5	HF97	HF97-1.5
Connector				BSP ((Male)		
Inlet/outlet connections		3/4"	3/4"	1"	1 1/2"	1"	1 1/2"
Nominal Flow*	m3/h	1.2	2.4	1.2	1.2	2.4	2.4
Maximum Pressure	bar	5	5	8	8	8	8
Water temperature (Min / Max)	°C			5/	/27		
Height x Diameter	mm	336 × 115	135 × 585	350 × 185	350 × 185	610 × 185	610 × 185
Number of Cartridges		1 × 10"	1 × 20"	1 × 10"	1 × 10"	1 × 20"	1 × 20"

Stainless Steel Filter Housings

Illustrations and pictures are provided for guidance only. Appearance of actual units vary by size.

Stainless steel filter housings designed and manufactured to work with a range of replacement filters at water temperatures up to 121°C, and are suitable for a wide range of commercial applications including primary and secondary filtration. They are manufactured from austenitic 316 stainless steel which contains the addition of molybdenum for improved corrosion resistance particularly in commercial environments. If require a filter with larger flow rates, please contact our technical team on 01494 838117 for free no obligation advice.

- Flow rates up to 90m³/h
- Manufactured from high grade 316 stainless steel
- Clean and dirty water drain points for easier maintenance
- Designed to treat the higher flow rates found in commercial applications



*Flow rates on this page are measured at 3 BAR. 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 used.



SoluTECH Clarifer Filters

HVAC Service Filtering





SoluTECH Clarifier Filters

SoluTECH Clarifier Units

OPERATION

SoluTECH CLARIFIER FILTERS are designed to continuously eliminate the following:

- Oxides and magnetisable particles using a powerful magnetic bar.
- Solid impurities, sludge and suspended matter using a felt filtering bag that traps particles bigger than 20 µm depending on the model (other filtering grades to order).

SOLUTECH CLARIFIER FILTERS -STANDARD EQUIPMENT

- 20 μm filter bag
- Magnetic candle
- A cover with swing bolts for easy cleaning
- Adjustable stand: adjustable height for easier connection - Flow rates - 0 to 320 m3/h

SOLUTECH CLARIFIER UNITS -STANDARD EQUIPMENT

- Circulator included
- Inlet/outlet valve and purge valve included
- Automatic purger
- Adjustable stand height (easy connection)

ON BMS MODELS

- Control cabinet to control and protect pump
- Light Indicator to show the filter condition: Clean or Clogged
- Dry contact output for clogged filter fault
- Flow rates 0 to 50 m3/h

Coupling diame	eter	DN	DN 32	DN 50	DN 80	DN 100	DN 150	DN 150	DN 200	DN 250		
Rated flow		m³/h	9	20	50	80	120	160	220	320		
Filtering grac	le	microns	25	50	50	50	50	50	50	50		
Max service pres	ssure	bar	10	10	10	10	10	10	10	10		
Min/max water tem	perature	°C	85	85	85	85	85	85	85	85		
Number of ba	gs		1	1	1	2	3	4	5	7		
Steel version item	n code		-	-		P0003652	P0003653	P0003654	P0003655	P000365		
Stainless steel version	item code		P0069208	P0069209	P00692011	P0003657	P0003658	P0003659	P0003660	P000366		
Width		mm	200	290	290	700	800	900	1000	1100		
Min height		mm	590	785	1225	1410	1630	1700	1780	2020		
ТҮРЕ	ТҮРЕ		×	XS 5/9		/9	10/20		21/50			
TECHNICAL SPECIFIC	ations											
Coupling diame	eter	DN	3	2	3	2	5	0	80			
Rated flow		m³/h		4	(9	2	0	5	0		
Filtering grad	le	microns	2	5	50		5	0	5	0		
Max service pres	ssure	bar	1	0	1	0	1	0	1	0		
Min/max water tem	perature	°C	8	5	85		8	5	85			
Number of ba	gs			1		1		1	1			
Filter materia	al		Stainle	ss Steel	Steel		Steel		St	eel	Steel	
Item code			P000	3884	P000)3637	POOC	3638	P0003640			
BMS version item	code			-	P000	03641	P000)3642	POOC)3643		
SIZE SPECIFIATIONS		xs		5/9	5/9 GTC	10/20	10/20 0	этс	21/50	21/50GTC		
Width	mm	380		324	363	441	466		480	480		
		423		562	668	668	785		1320	1320		
Length	mm	425		302	000	000	/03		1520	1520		

On request, the filters can be sized to adapt to non standard pressures and temperatures.

Filter Cartridges

Available in a range of sizes and materials, each filter should be selected to suit the specific application and the appropriate filter housing. A combination of filter types and other water treatment equipment may be necessary to achieve any given specific water quality required. Filter cartridges can be used to remove unwanted substances including, but not limited to:

- Sediment
- Pesticides
- Taste and odour
- Organic chemicals

SS38, FSS120, NP-H10	SB10-1	Polypropylene	SR	1	Х	95	10
SS38, FSS120, NP-H10	SB10-5	Polypropylene	SR	5	Х	95	10
SS38, FSS120, NP-H10	SB10-25	Polypropylene	SR	25	Х	95	10
IP2, SS76, FSS240, NP-H20	SB20-1	Polypropylene	SR	1	х	95	20
IP2, SS76, FSS240, NP-H20	SB20-5	Polypropylene	SR	5	Х	95	20
IP2, SS76, FSS240, NP-H20	SB20-25	Polypropylene	SR	25	Х	95	20
SS114, FSS1800	SB30-5	Polypropylene	SR	5	Х	95	30
FSS1135, FSS2200	SB40-5	Polypropylene	SR	5	х	95	40
HF76	HSB10-1	Polypropylene	SR	1	х	95	10
HF76	HSB10-5	Polypropylene	SR	5	Х	95	10
HF76	HSB10-20	Polypropylene	SR	20	х	95	10
HF97	HSB20-1	Polypropylene	SR	1	Х	95	20
HF97	HSB20-5	Polypropylene	SR	5	Х	95	20
HF97	HSB20-20	Polypropylene	SR	20	Х	95	20
HF76	HFPL5	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	Х	52	10
HF97	HFGAC5	Granular Activated Carbon	SR	5	Х	52	20
HF76	HFR10	Resin	SC		Х	38	10
HF76	HFCR10	Carbon/Resin	TO, SC, OC, P	5	Х	38	10
HF97	HFR20	Resin	SC		х	38	20
HF97	HFC20	Carbon	TO, OC, P	5	Х	38	20
HF97	HFCR20	Carbon/Resin	TO, SC, OC, P	5	Х	38	20
IP2	MX-1	Carbon Block	SR, TO, OC, P	5	Х	52	20
IP2	C20	Carbon	TO, OC, P	5	х	38	20
IP2	R20	Resin	SC		Х	38	20
IP2	CR20	Carbon/Resin	SC, TO, OC, P	5	Х	38	20
NP1	C1	Carbon	TO, OC, P	5	×	38	10
NP1	R1	Resin	SC		х	38	10

There are a number of filtering materials available. It is important to select the correct cartridge for the application. Cartridge Selection Chart provided for guidance only.

SR - Sediment Removal **P** - Pesticides TO - Taste and Odour

OC - Organic Chemicals SC - Scale

7.



BWT UK Limited

BWT House, The Gateway Centre, Coronation Road, High Wycombe, Buckinghamshire, HP12 3SU � 01494 838 100 ⊠ commercialuk@bwt-uk.co.uk

but-uk.co.uk

FOR YOU AND PLANET BLUE.

BWT 2020 in the interests of product development we reserve the right to alter specifiations without prior notice.All photographs and dimensions are given for guidance only. Terms and conditions apply E&OE.

MW0179/CWF