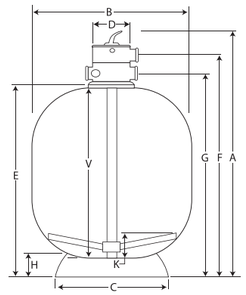
HRF Technical Specifications

Filter Model	Valve Size (mm)	Inner Diameter (mm)	Filter Area (m^2)	Bed Depth (mm)	Max. Flow (lpm)	Max. Pool Size** (litres)	Backwash flowrate (lpm)	Media Volume (litre)	Sand 16/30 (kg)	Zeoplus 1-2.2 (kg)
HRF500	40	500	0.20	280	157	57,000	131	65	95	78
HRF600	40	600	0.28	295	226	81,000	189	106	155	127
HRF700	40	700	0.38	330	308	111,000	257	158	230	189
HRF702	50	700	0.38	340	308	111,000	257	154	225	185
HRF750	50	750	0.44	340	353	127,000	295	178	260	214
HRF800	50	800	0.50	420	402	145,000	335	233	340	279
HRF900	50	900	0.64	420	509	183,000	424	322	470	386

Residential flow rate based on a velocity of 48m3/hr/m2. Max. pool size is based on a 6 hr turnover.

HRF Dimensions (mm)

Model	Valve Size	A	B	C	D	E	F	G	H	V	K
HRF500	40	864	505	443	180	625	731	672	69	525	94
HRF600	40	968	622	540	180	721	832	778	88	620	136
HRF700	40	932	723	620	180	692	801	743	90	650	139
HRF702	50	1072	723	620	220	722	892	792	90	652	122
HRF750	50	1217	772	620	220	867	1037	937	90	773	127
HRF800	50	1157	810	620	220	807	977	877	90	713	111
HRF900	50	1234	910	620	220	884	1054	954	90	785	163



HRS Technical Specifications

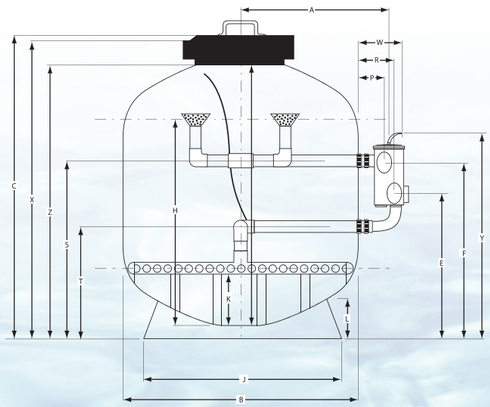
Filter Model	Valve Size (mm)	Inner Diameter (mm)	Filter Area (m^2)	Bed Depth (mm)	Max. Flow (lpm)	Max. Pool Size** (litres)	Backwash flowrate (lpm)	Media Volume (litre)	Sand 16/30 (kg)	Zeoplus 1-2.2 (kg)
HRS600	40	600	0.28	360	226	81,000	189	113	165	136
HRS750	50	750	0.44	400	353	127,000	295	195	285	234
HRS900	50	900	0.64	440	509	183,000	424	301	440	362

Residential flow rate based on a velocity of 48m3/hr/m2. Max. pool size is based on a 6 hr turnover.

HRS Dimensions (mm)

Model	A	B	C	W	R	P	E	F	K
HRS600	526	622	906	306	249	171	520	574	105
HRS750	613	772	976	334	262	191	541	643	113
HRS900	689	923	1086	334	262	191	591	693	113

Model	V	H	L	X	Y	Z	J	S	T
HRS600	690	601	87	873	718	800	484	520	317
HRS750	763	652	90	943	800	870	620	541	337
HRS900	860	750	90	1053	850	980	620	591	387



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Baker Hydro fibreglass filter

BAKER HYDRO

Proven Strength and Durability

The Original High-Rate Fibreglass filter, Baker Hydro fiberglass filters are one of the toughest filters in the industry. Manufactured with filament wound fiberglass and polyester resin, the Baker Hydro fiberglass filters continues to be the choice for those who want long lasting quality and performance.

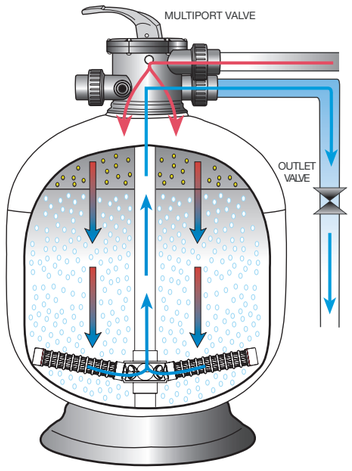
- Hydraulically balanced lateral underdrain for optimal filter and backwash performance
- Quick disconnect plumbing connections
- Efficient internal water distribution system eliminates media bed migration
- Maximum operating pressure: 250 kPa
- Easy access to internal components
- Internal air venting
- Low maintenance, non-corrosive materials through-out
- 6 position heavy duty Multiport valve
- Top Mount and Side Mount configurations

Baker Hydro Fiberglass Filters

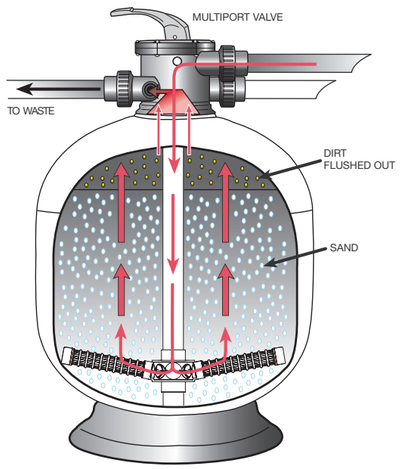
Baker Hydro fiberglass filters operate on the basis of “depth filtration”; dirt is driven through the filter bed and trapped in minute spaces between the particles of filter media allowing the cleansed water to pass through the filter’s laterals and exit via the filter’s Multiport valve.

HRF Top Mount Configuration

Filter Mode

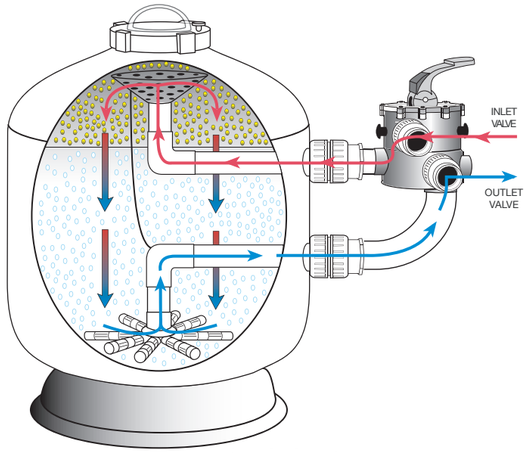


Backwash Mode

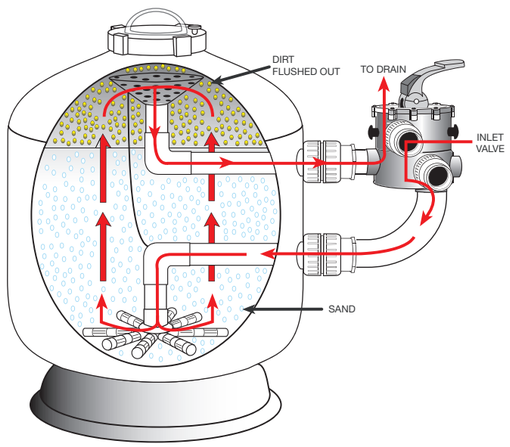


HRS Side Mount Configuration

Filter Mode



Backwash Mode

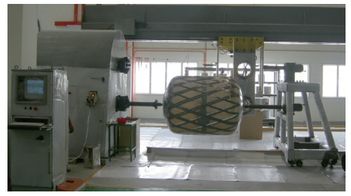


Simple Maintenance

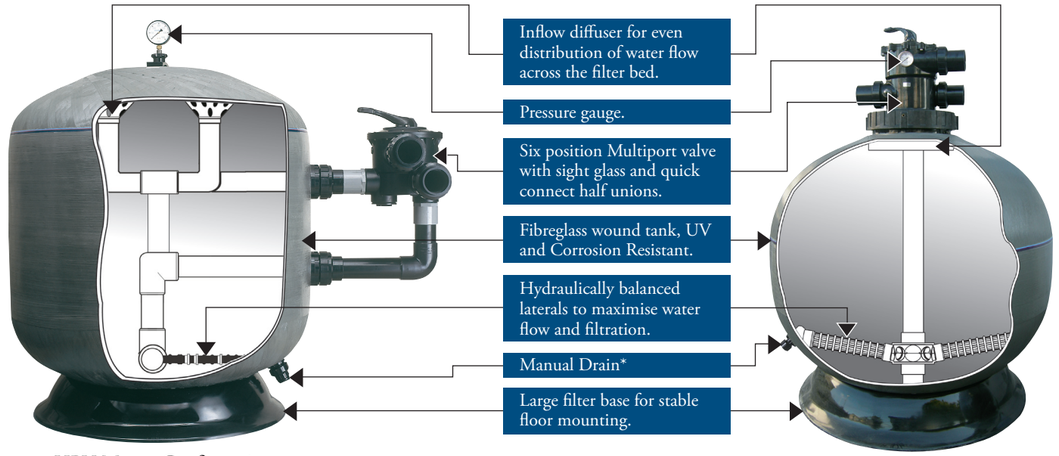
The effectiveness and efficiency of the filter is impaired by excessive build up of debris, clogging the media, which will result in pressure build up and poor circulation. Cleaning the filter simply requires turning the filter’s Multiport lever from the “filter” position to the “backwash” position, which reverses the flow of water in the filter, flushing the filter bed.

Filament Wound Filters

Baker Hydro fiberglass filters embody the latest in fiberglass winding technology. Baker Hydro fiberglass vessels consist of an inner shell of fiberglass reinforced polyester resin wound over with fibreglass filament. Baker Hydro’s digitally controlled filament winding machine faultlessly winds continuous strands of high quality fibreglass filament under controlled tension filament to create a seamless one-piece vessel with refined consistency and superior quality. There are no welds or seams or special tank linings which can corrode or electrolyse.



Baker Hydro Top and Sidemount Fibreglass Filters



HRV Mount Configuration

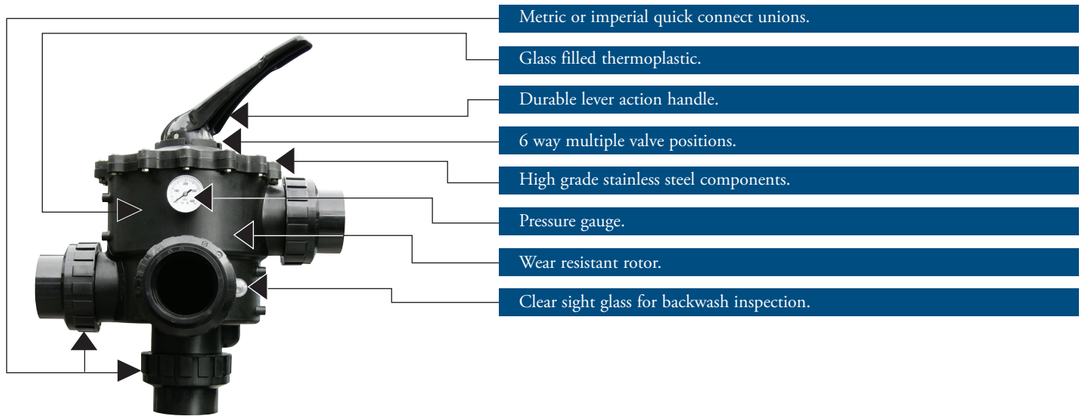
HRF Top Mount Configuration

** Optional manual drain*

- Working pressure 250 kPa (36 psi)
- Extra reinforcement to increase the working pressure rating to 400 kPa (58 psi) is available on request.
- Maximum working temperature of 50°C (122°F)

Baker Hydro Multiport Valves

Constructed from heavy duty ABS, Baker Hydro Multiport valves are designed for maximum performance and working pressures. Baker Hydro Multiport valves are engineered to withstand a working pressure of up to 400 kPa (58 psi) with a test pressure of 600 kPa (87 psi).



Warranty

Baker Hydro fiberglass filters are covered by a 10-year tank warranty and 1-year warranty on all other components. Commercial installations are covered by a 5-year (1 year full + 4 years pro rata) tank warranty and 1-year warranty on all other components. Please refer to Baker Hydro’s warranty terms and conditions