

Rotorflush RF800LW Range Self-cleaning Filter

General Specifications

General Arrangements



Key Features

- 316 Stainless Steel filter mesh
- Filters from 1mm to 6mm
- Reliable and easy to install and use
- Works with most centrifugal and progressive cavity pumps
- 1085 cubic metres per hour maximum flow
- 542 cubic metres per hour maximum flow @ 0.1 metres / sec
- Capital, installation and maintenance costs reduced
- All Stainless Steel construction
- Option for marine grade steel.

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Models and Specifications

NB – all flow rates are given for screens fitted with 2 mm woven steel mesh, open area 60% max

Model	Maximum Flow Rate m ³ /hr (net of backwash)	Backwash Flow Rate m ³ /hr	Eel Regulations Flow rate (net of backwash) m ³ /hr *	Filter screen Area cm ²	Backwash Pressure
RF800-200LW	217	9	162	5,025	0.4 bar
RF800-300LW	325	13.5	244	7,540	0.4 bar
RF800-400LW	434	18	325	10,050	0.4 bar
RF800-500LW	542	22.5	407	12,565	0.4 bar
RF800-600LW	651	27	488	15,080	0.4 bar
RF800-700LW	760	31.5	570	17,590	0.4 bar
RF800-800LW	868	36	651	20,105	0.4 bar
RF800-900LW	977	40.5	732	22,615	0.4 bar
RF800-1000LW	1,085	45	814	25,130	0.4 bar

*Approach velocity at 0.1 m/s with 10% blinding allowance



An RF800-900LW Eel Screen

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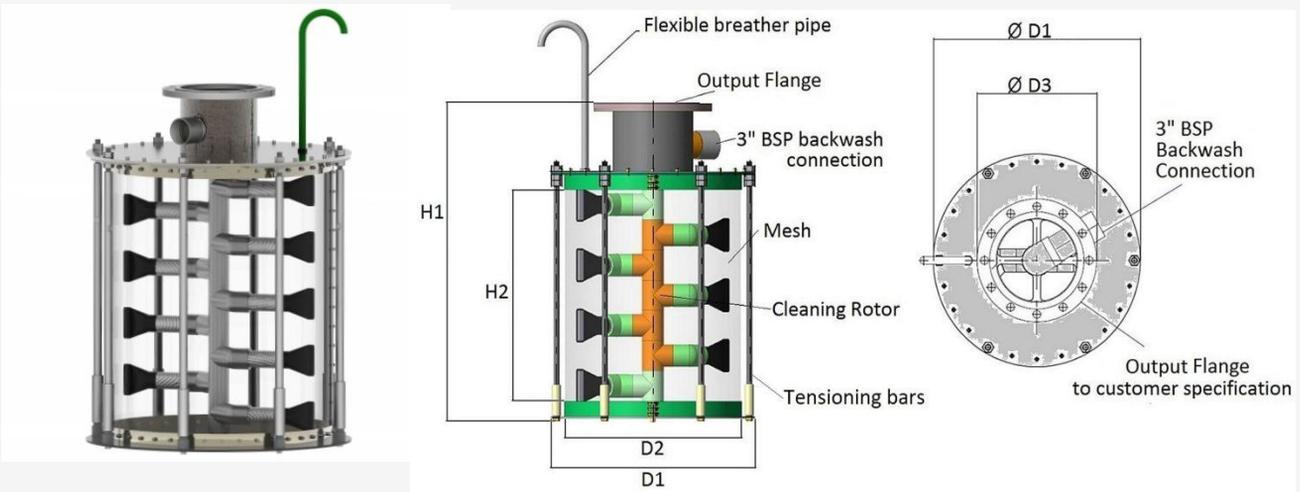
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Dimensions and Weights

Model	H1 Total Height mm	H2 Mesh Height mm	D1 Total Diameter mm	D2 Mesh Diameter mm	D3 Flange Diameter mm	Approx Weight (kg)
RF800-200LW	565	200	950	800	405	190
RF800-300LW	665	300	950	800	405	200
RF800-400LW	765	400	950	800	405	210
RF800-500LW	865	500	950	800	405	220
RF800-600LW	965	600	950	800	405	230
RF800-700LW	1,065	700	950	800	405	240
RF800-800LW	1,165	800	950	800	405	250
RF800-900LW	1,265	900	950	800	405	260
RF800-1000LW	1,365	1,000	950	800	405	270

Dimensions and weights are approximate

Rotorflush filters can customise these filters. Mesh types and outlet flange sizes can be varied to suit particular applications



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Self-cleaning Filter Construction

Filter Component	Construction
2 mm aperture filter mesh	316 Stainless Steel or Phosphor Bronze
Filter uprights	304 or 316 Stainless Steel
Filter top and bottom plate	304 or 316 Stainless Steel
Top and bottom plate bolts & fastenings	304 or 316 (A2 or A4) Stainless Steel
Tensioning nuts, M20 x 6, 15 mm thick	Phosphor Bronze PB 102
Cleaning rotor	304 or 316 Stainless Steel
Cleaning jet restrictors	ABS
Rotor bearings	Acetal
Top and bottom rotor bearings	304 or 316 Stainless Steel
Rubber jets	Natural Rubber
Rubber jet clips	304 or 316 Stainless Steel
Lifting eyes	304 or 316 Stainless Steel
Top flange	304 or 316 Stainless Steel, standard is DN 200 PN 16, other sizes may be fitted
Backwash connection	316 Stainless Steel, 3" BSP
Tensioning assemblies	Hi-tensile steel, Delta Tone 9000® inorganic, non – electrolytically applied micro layer zinc – Lamella flake coating