

# Rotorflush RF600LW 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
- 730 cubic metres per hour maximum flow
- 594 cubic metres per hour maximum flow @ 0.1 metres / sec
- Capital, installation and maintenance costs reduced
- All stainless steel construction
- Option for marine grade Stainless Steel.

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### Models and Specifications

Model	Maximum Flow Rate m <sup>3</sup> /hr (net of backwash)	Backwash Flow Rate m <sup>3</sup> /hr	Eel Regulations Flow rate (net of backwash) m <sup>3</sup> /hr @ 0.1 m sec*	Filter screen Area cm <sup>2</sup>	Backwash Pressure
RF600-200LW	160	9	122	3,770	+0.4 bar
RF600-300LW	240	13.5	183	5,655	+0.4 bar
RF600-400LW	320	18	244	7,540	+0.4 bar
RF600-500LW	400	22.5	305	9,425	+0.4 bar
RF600-600LW	490	27	366	11,310	+0.4 bar
RF600-700LW	570	31.5	427	13,195	+0.4 bar
RF600-800LW	650	36	488	15,080	+0.4 bar
RF600-900LW	730	40.5	549	16,965	+0.4 bar

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

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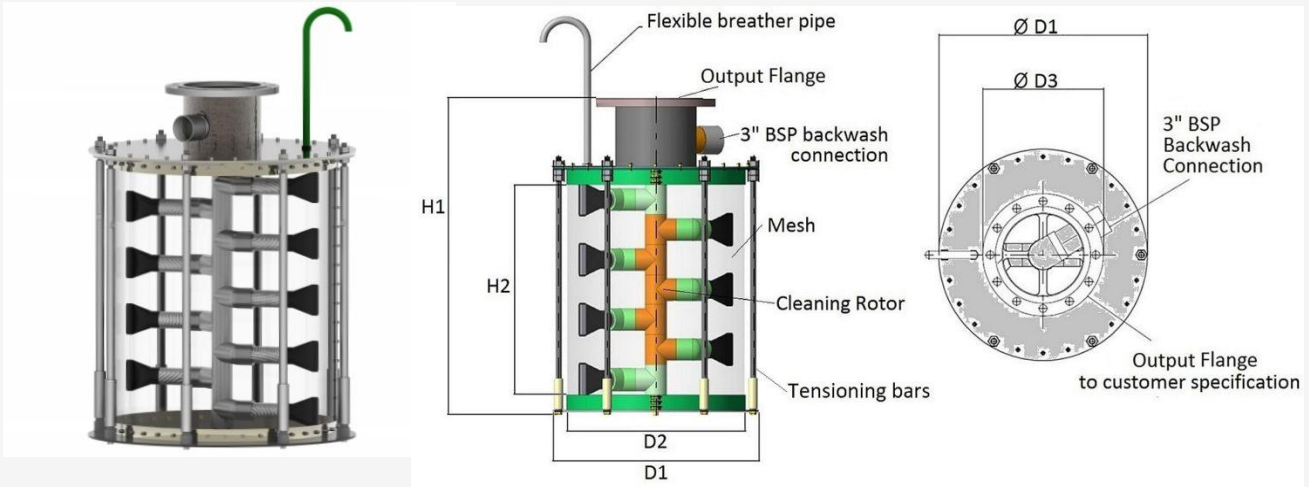
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### Dimensions and Weights

Model	H1 Total Height mm	H2 Mesh Height mm	D1 Total Diameter mm	D2 Mesh Diameter mm	D3 Flange Diameter mm	Approx Weight (kg)
RF600-200LW	555	200	750	600	340	80
RF600-300LW	655	300	750	600	340	90
RF600-400LW	755	400	750	600	340	100
RF600-500LW	855	500	750	600	340	110
RF600-600LW	955	600	750	600	340	120
RF600-700LW	1,055	700	750	600	340	130
RF600-800LW	1,155	800	750	600	340	140
RF600-900LW	1,255	900	750	600	340	150

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