

# RF100 Duplex Self Cleaning Inlet Filter

From £265.00 (GBP)



The RF100 Duplex self cleaning inlet filter is a twin headed filter with a capacity of up to 60 litres / minute and is designed to protect dry mounted pumps and other equipment.

It has the same efficient self-cleaning action as the RF100-IND filter designed to keep the filter mesh clear, protecting the pump and other equipment.

In ponds the gentle yet effective action of this filter protects newts and tadpoles and other aquatic life while providing an uninterrupted filtered supply of water. In more industrial settings debris and suspended solids can be filtered out of water– filter sizes are 60, 115 or 250 microns.

## Key Features

- Protects pumps, analyser cells, jets, solenoid valves etc from blockage
- Self-cleaning, so maintenance is minimal
- Low space requirement
- Robust construction
- Reliable and economical
- Fine filtration to 60 microns
- Protects newts and tadpoles from becoming trapped or injured

## Description

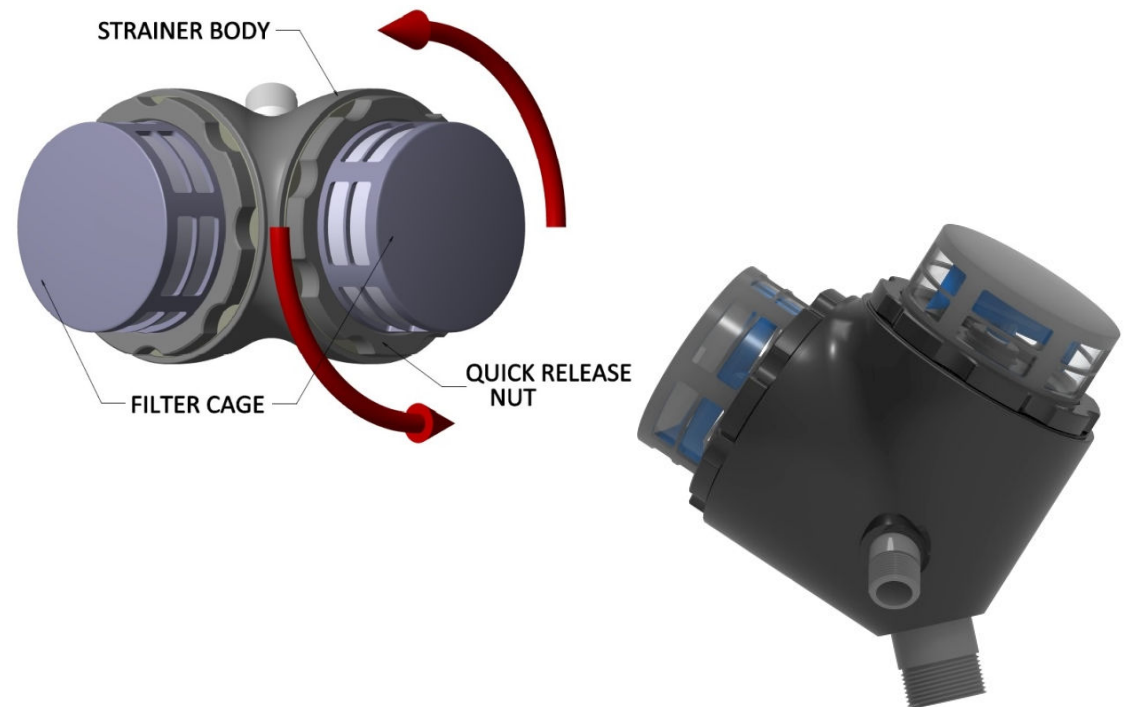
### Rotorflush RF100 Duplex Filter – Technical Specifications

The RF100 Duplex doubles the capacity of the smallest of Rotorflush's award winning filters. It gives a maximum usable flow (depending on conditions) of 60 litres per minute. The RF100 Duplex self-cleaning inlet filter is designed to protect surface mounted pumps and other equipment. Ideal for domestic use, light industrial applications, as a pond filter and for protecting water features.

The latest version of this highly adaptable and efficient dirty water filter now has an easy to use quick release enabling simple and fast filter mesh changes

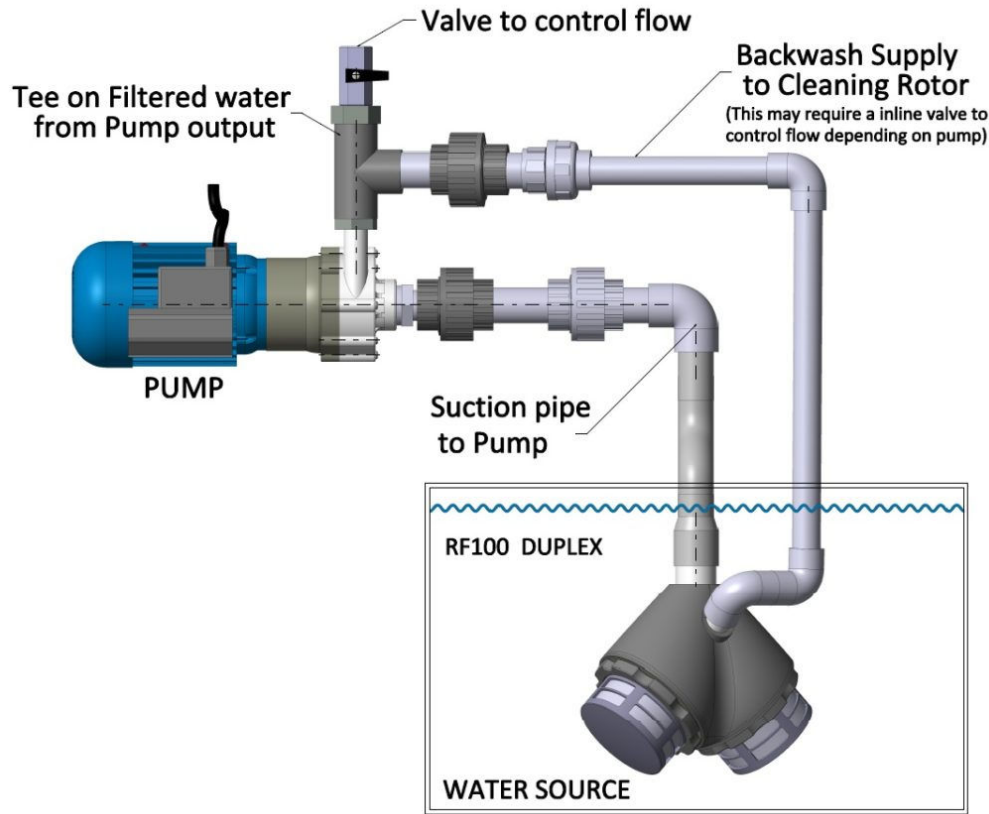
#### Ideal for:

- Small irrigation systems
- Protecting equipment from weed and debris
- Filtration of samples to online analysers
- Protecting newts and tadpoles as a pond pump filter
- Rainwater harvesting systems
- Industrial Process Filtration
- Ponds, fountains and water features
- Anywhere a flow of filtered fluid is required.



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The Duplex self cleaning inlet filter uses a proportion of the pump's output to drive an internal backwashing rotor. The twin jets of the cleaning rotor rotate at about 60 rpm in each filter head. They clean the whole screen every  $\frac{1}{2}$  second. Approximately 20 – 25% of the pump output is required to supply the cleaning rotor. As the cleaning mechanism is on the filtered side of the screen debris in the water will not obstruct the mechanism.

For a larger capacity (up to 90 litres per minute) these filters can be combined to form a triple headed duplex version that uses the same technology and filter cages, giving 50% more the flow rate.

For a smaller capacity (up to 30 litres per minute) we offer the RF100-IND filter, a single RF100 filter that uses the same technology and filter cage, giving half the flow rate of the Duplex.

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## Models & Specifications

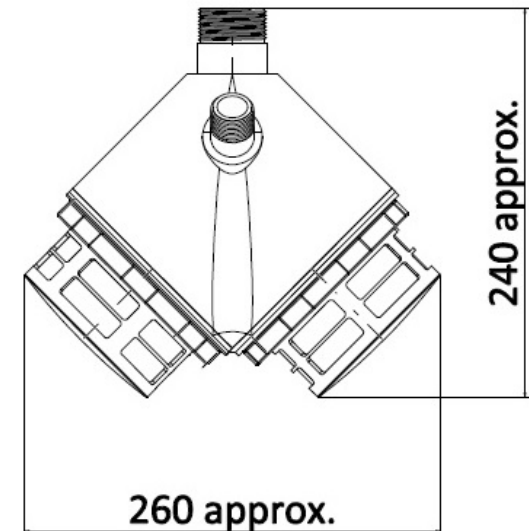
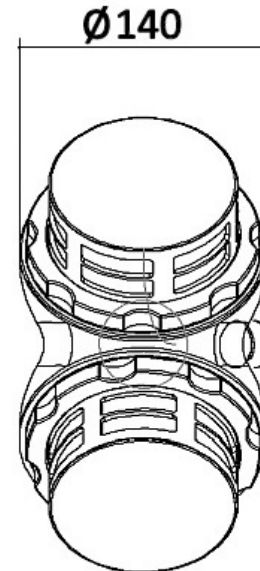
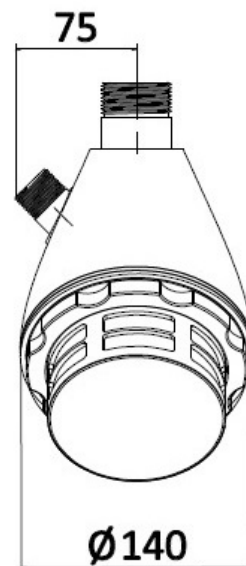
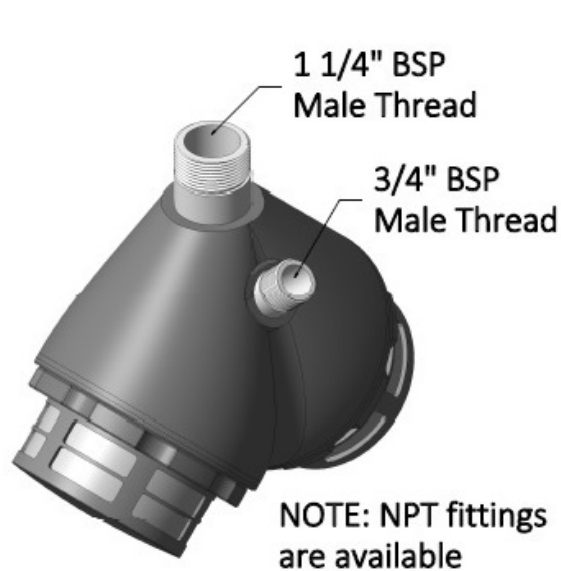
General Characteristics	RF100 Duplex
Water supply to cleaning rotor	Tapped from pump outlet
Maximum output (m <sup>3</sup> /hour)	3.6
Standard screen mesh aperture (mm)	60, 115, 250 micron nylon mesh in polypropylene cage
Dimensions (diameter x width x height) mm (excl suctions / return couplings)	125 x 220 x 234
Weight (kg)	0.4



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## RF100IND-Q Dimensions



## RF100 Duplex Self-Cleaning Filter Construction

Component	Material
Filter cage and lid	Polypropylene
Jets	Acetal copolymer
Body	ABS (Acrylonitrile-Butadiene-Styrene)
Standard filter mesh screen	60, 115 or 250 Micron Nylon Mesh





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## Ordering

**Rotorflush RF100 Duplex Self-cleaning Filter – up to 60 litres per minute: £265.00 GBP exc of VAT and carriage**

Please state filter mesh size: 60, 115 or 250 micron bias cut nylon mesh is available

Standard fittings are 1¼ inch BSP outlet, and ¾ inch BSP inlet to the backwash.

If NPT connections are required please state when ordering

### Please note:

**Delivery is by carrier and is usually between 3 and 7 days from order depending on product and availability.**

**Carriage and packing charges are extra.**

**Can't find what you need? Want to talk with us directly?  
We're here to help. Call us on +44(0) 1297 560229**

