Aqua Exclusive™ RDF 30 PRO - ROTARY DRUM FILTER

TECHNICAL SPECIFICATIONS

This Rotary Drum Filter is a fully automatic pre-filter system for fresh and salt water. The filter is made up of modules so everything is easy to replace when necessary. Suitable for professional use.

BODY

Construction/materials/thickness	Hand-welded housing, polypropylene, 15mm
Metal parts	Stainless steel 316L (Titanium optional)
Inlets	Three 110mm inlets
Outlets	Two 110mm outlets
Drain	One 110mm drain that can be connected to the sewer.
Dimensions filter (length x width x height)	885*600*515mm (34.9*23.6*20.3 inches)

Technical

Drum drive	Direct drive, 22mm drive shaft, double NBR water seal, 72Nm motor
Spray nozzles	Four high pressure stainless steel 316L spray nozzles, industrial electric motor with polypropylene pump head, water filter, reinforced rubber hoses.

Installation

Maximum water flow	30,000 Liter per hour (8,000 Gallons per hour)
Minimum water flow	No minimum water flow required
Suitable for	Fresh and salt water
Suitable for gravity setup	Yes, max water level inside filter 345mm (13.58 inches)
Suitable for pump fed setup	Yes, please note that with pump fed the maximum flow is less

Drum/Filter panel

Drum material/thickness	Polypropylene, 15 and 20mm
Drum stability	6 guide rollers keep the drum moving smoothly
Drum water seal	High quality molded silicone seal
Filter panel	Industrial filter panel with 70 micron screen (Optional 10-500 micron)
Filter panel screen material	Stainless steel 316L (Titanium optional)

ELECTRICAL / CONTROLBOX

Voltage and frequency	110-120V 60Hz / 220-240V 50/60Hz
Controlbox material	Acrylonitrile Butadiene Styrene (ABS), waterproof
Cables/connectors	Neoprene cables, gold plated connectors, waterproof IP68
Switch buttons	Possible to switch the rinse pump, drum motor, pond pump and uv-c ON and OFF individually
Night-time	Buttons blue LED, power switch red LED
Manual control	Manual control turning drum / spray nozzles
Automatic rinse process	Yes
Overflow safety	Yes, prevents the filter from overflowing with pump fed
Pump safety	Yes (Max 1000 watt circulation/pond pump)
Drum motor	80 watts
Rinse pump	520 watts
Rinse process duration	12 seconds
Water consumption rinse process	2 Liters (0.5 gallons)