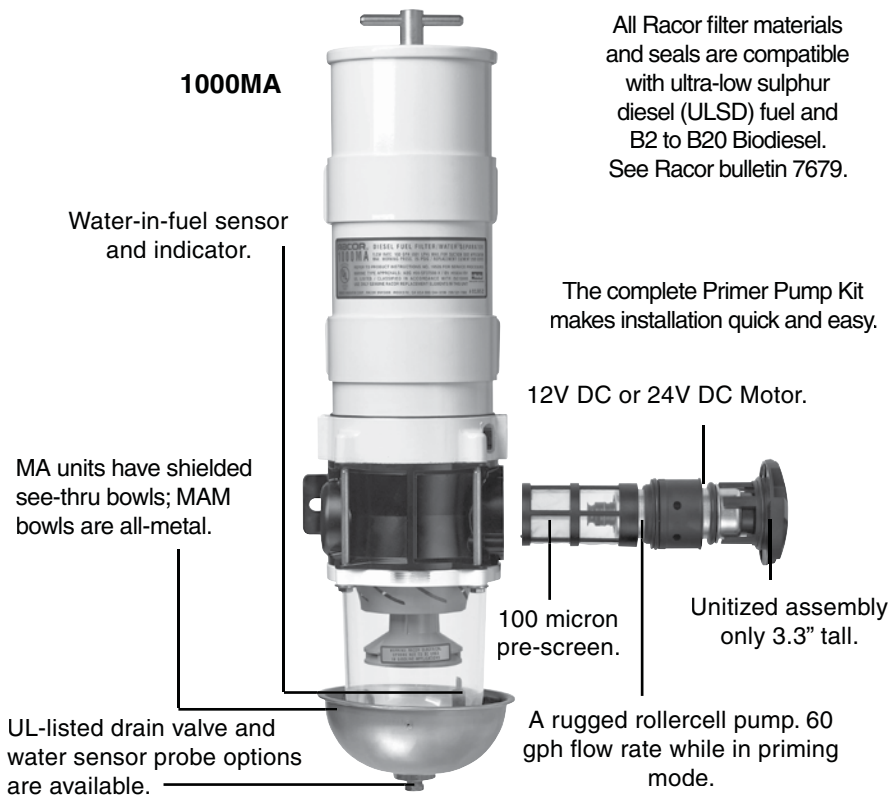


Marine Turbine Series

Marine Turbine Series



And more...

Turbine Series Electric Primer Pump

The Turbine Series Electric Primer Pump Kits can be retrofitted to many of the Racor 900 or 1000 series fuel filters already in service. The Filter Pump is an innovative and proprietary system consisting of a pre-screen filter, a flow bypass circuit and a roller cell pump powered by a DC motor. When the switch is activated the fuel is drawn into the pre-screen and then pumped through the housing, refilling the unit with fuel. When not in use the Filter Pump system is bypassed and the Racor fuel filter/water separator functions normally.

The RKP1912, 12V DC Kit, contains a traditional brushed motor design. The RKP1924, 24V DC Kit, contains innovative brushless motor technology.

The use of this primer pump kit allows the operator to easily re-prime the Racor Filter/Separator directly from the fuel storage tank with no mess

Marine Turbine Series filter assemblies are designed to be installed on the vacuum side of the fuel transfer pump for best efficiency and protect precision engine components from dirt, rust, algae, asphaltines, varnishes, and especially water, which is prevalent in engine fuels. They remove contaminants from fuel using the following legendary three stage process:

Stage One: Separation

As fuel enters the filter assembly, it moves through the centrifuge and spins off large solids and water droplets which fall to the bottom of the collection bowl.

Stage Two: Coalescing

Small water droplets bead-up on the surface of the conical baffle and cartridge element. When heavy enough, they too fall to the bottom of the bowl.

Stage Three: Filtration

Proprietary Aquabloc II cartridge elements repel water and remove contaminants from fuel down to 2 micron (nominal). They are waterproof and effective longer than water absorbing elements.

500 Series Overview

Applies to
all models.



Specifications	500MA ¹	500MAM	503MA	75500MAX	75500MAXM
Maximum Flow Rate <i>One Filter On-line</i> <i>Two Filters On-line</i>	60 GPH (227 LPH) N/A	60 GPH (227 LPH) N/A	60 GPH (227 LPH) N/A	60 GPH (227 LPH) 120 GPH (454 LPH)	60 GPH (227 LPH) 120 GPH (454 LPH)
Application	Diesel	Gasoline or Diesel	Diesel	Diesel	Gasoline or Diesel
Port Size	3/4"-16 (SAE J1926 female threads)	3/4"-16 (SAE J1926 female threads)	3/8" NPTF (female threads)	3/4"-16 (SAE J1926 female threads)	3/4"-16 (SAE J1926 female threads)
Height	11.5 in. (29.2 cm)	11.0 in. (27.9 cm)	11.5 in. (29.2 cm)	11.5 in. (29.2 cm)	11.0 in. (27.9 cm)
Width	5.8 in. (14.7 cm)	5.8 in. (14.7 cm)	5.8 in. (14.7 cm)	14.5 in. (36.8 cm)	14.5 in. (36.8 cm)
Depth	4.8 in. (12.2 cm)	4.8 in. (12.2 cm)	4.8 in. (12.2 cm)	9.5 in. (24.1 cm)	9.5 in. (24.1 cm)
Weight	4.0 lb (1.7 kg)	5.0 lb (2.2 kg)	4.0 lb (1.7 kg)	17 lb (7.7 kg)	18 lb (8.2 kg)
Clean Pressure Drop	0.3 PSI (1.7 kPa)	0.3 PSI (1.7 kPa)	0.3 PSI (1.7 kPa)	0.7 PSI (4.8 kPa)	0.7 PSI (4.8 kPa)
Maximum Pressure	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)
Water Capacity	3.7 oz (110 ml)	3.7 oz (110 ml)	3.7 oz (110 ml)	7.4 oz (220 ml)	7.4 oz (220 ml)
Overhead Clearance	4.0 in. (10.2 cm)	4.0 in. (10.2 cm)	4.0 in. (10.2 cm)	4.0 in. (10.2 cm)	4.0 in. (10.2 cm)
Water Removal Efficiency	99%	99%	99%	99%	99%
Ambient Fuel Temperature	-40° to +250°F ² (-40° to +121°C)				
Max. Fuel Temperature	190°F (32°C)				

¹ Add * for optional 16MM ports. Example (*500MA30).

² With maximum fuel temperature 190°F (32°C).

Marine Turbine Series

900 Series Overview

Applies to
all models.



Specifications	900MA	900MAM	903MA	75900MAX	75900MAXM
Maximum Flow Rate: One Filter On-line	90 GPH (341 LPH) N/A	90 GPH (341 LPH) N/A	90 GPH (341 LPH) N/A	90 GPH (341 LPH)	90 GPH (341 LPH)
Two Filter On-line				180 GPH (681 LPH)	180 GPH (681 LPH)
Application	Diesel	Gasoline or Diesel	Diesel	Diesel	Gasoline or Diesel
Port Size	7/8"-14 (SAE J1926 female threads)	7/8"-14 (SAE J1926 female threads)	1/2"-14 NPT (female threads)	7/8"-14 (SAE J514 male threads)	7/8"-14 (SAE J514 male threads)
Height	17.0 in. (43.2 cm)	16.5 in. (41.9 cm)	17.0 in. (43.2 cm)	17.0 in. (43.2 cm)	16.5 in. (41.9 cm)
Width	6.0 in. (15.2 cm)	6.0 in. (15.2 cm)	6.0 in. (15.2 cm)	18.8 in. (47.6 cm)	18.8 in. (47.6 cm)
Depth	7.0 in. (17.8 cm)	7.0 in. (17.8 cm)	7.0 in. (17.8 cm)	11.0 in. (27.9 cm)	11.0 in. (27.9 cm)
Weight	6.0 lb (2.7 kg)	7.0 lb (3.2 kg)	6.0 lb (2.7 kg)	23 lb (10.4 kg)	24 lb (10.9 kg)
Clean Pressure Drop	0.34 PSI (2.4 kPa)	0.34 PSI (2.4 kPa)	0.34 PSI (2.4 kPa)	1.7 PSI (11.7 kPa)	1.7 PSI (11.7 kPa)
Maximum Pressure	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)
Water Capacity	10.3 oz (305 ml)	10.3 oz (305 ml)	10.3 oz (305 ml)	20.6 oz (610 ml)	20.6 oz (610 ml)
Overhead Clearance	5.0 in. (12.7 cm)	5.0 in. (12.7 cm)	5.0 in. (12.7 cm)	5.0 in. (12.7 cm)	5.0 in. (12.7 cm)
Water Removal Efficiency	99%	99%	99%	99%	99%
Ambient Fuel Temperature	-40° to +250°F ¹ (-40° to +121°C)				
Max. Fuel Temperature	190°F (32°C)				

¹ With maximum fuel temperature 190°F (32°C).

1000 Series Overview

Applies to all models.



Specifications	1000MA	1000MAM	1003MA	731000MA	731000MAM
M					
Maximum Flow Rate:					
One Filter On-line	180 GPH (681 LPH)	180 GPH (681 LPH)	180 GPH (681 LPH)	N/A	N/A
Two Filters On-line	N/A	N/A	N/A	360 GPH (1363 LPH)	360 GPH (1363 LPH)
Application	Diesel	Gasoline or Diesel	Diesel	Diesel	Gasoline or Diesel
Port Size	7/8"-14 (SAE J1926 female threads)	7/8"-14 (SAE J1926 female threads)	1/2"-14 NPT (female threads)	3/4"-14 (SAE J476 male threads)	3/4"-14 (SAE J476 male threads)
Height	22.0 in. (55.9 cm)	21.5 in. (54.5 cm)	22.0 in. (55.9 cm)	22.0 in. (55.9 cm)	21.5 in. (54.5 cm)
Width	6.0 in. (15.2 cm)	6.0 in. (15.2 cm)	6.0 in. (15.2 cm)	16.5 in. (41.9 cm)	16.5 in. (41.9 cm)
Depth	7.0 in. (17.8 cm)	7.0 in. (17.8 cm)	7.0 in. (17.8 cm)	12.0 in. (30.5 cm)	12.0 in. (30.5 cm)
Weight	10 lb (4.5 kg)	11 lb (5.0 kg)	10 lb (4.5 kg)	26 lb (11.8 kg)	27 lb (12.2 kg)
Clean Pressure Drop	0.5 PSI (3.4 kPa)	0.5 PSI (3.4 kPa)	0.5 PSI (3.4 kPa)	1.7 PSI (11.7kPa)	1.7 PSI (11.7 kPa)
Maximum Pressure	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)
Water Capacity	10.3 oz (305 ml)	10.3 oz (305 ml)	10.3 oz (305 ml)	20.6 oz (610 ml)	20.6 oz (610 ml)
Overhead Clearance	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)
Water Removal	99%	99%	99%	99%	99%
Efficiency	° to +250°F (-40° to +121°C)				
Ambient Fuel Temperature	-40				
Maximum Fuel Temperature	190oF (32oC)				

Marine Turbine Series

1000 Series Overview

Applies to
all models.



Specifications	751000MAX	751000MAXM	771000MA	791000MAV
Maximum Flow Rate: <i>One Filter On-line</i> <i>Two Filters On-line</i> <i>Three Filters On-line</i>	180 GPH (681 LPH) 360 GPH (1363 LPH) N/A	180 GPH (681 LPH) 360 GPH (1363 LPH) N/A	N/A N/A 540 GPH (2044 LPH)	180 GPH (681 LPH) 360 GPH (1363 LPH) 540 GPH (2044 LPH)
Application	Diesel	Gasoline or Diesel	Diesel	Diesel
Port Size	7/8"-14 (SAE J514 male threads)	7/8"-14 (SAE J514 male threads)	1"-11.5 (SAE J476 male threads)	3/4"-14 (SAE J476 male threads)
Height	22.0 in. (55.9 cm)	21.5 in. (54.6 cm)	22.0 in. (55.9 cm)	22.0 in. (55.9 cm)
Width	18.8 in. (47.6 cm)	18.8 in. (47.6 cm)	21.5 in. (54.6 cm)	21.5 in. (54.6 cm)
Depth	11.0 in. (27.9 cm)	11.0 in. (27.9 cm)	12.0 in. (30.5 cm)	11.8 in. (30.0 cm)
Weight	30 lb (13.6 kg)	31 lb (14.1 kg)	39 lb (17.7 kg)	52 lb (23.6 kg)
Clean Pressure Drop	3.7 PSI (25.5 kPa)	3.7 PSI (25.5 kPa)	1.7 PSI (11.7 kPa)	2.5 PSI (17.2 kPa)
Maximum Pressure	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)
Bowl Capacity	20.6 oz (610 ml)	20.6 oz (610 ml)	30.9 oz (915 ml)	30.9 oz (915 ml)
Overhead Clearance	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)
Water Removal Efficiency	99%	99%	99%	99%
Ambient Fuel Temperature	-40° to +250°F ¹ (-40° to +121°C)			
Max. Fuel Temperature	190oF (32oC)			

How to Order

(The example below illustrates how the part numbers are constructed).

*	500MA	M	10
Add * for optional 16MM ports	Basic Model Use model 503MA for 3/8" NPTF Pipe Thread	Add M for metal bowl.	Specify: 2 (for 2 micron) 10 (for 10 micron) 30 (for 30 micron)

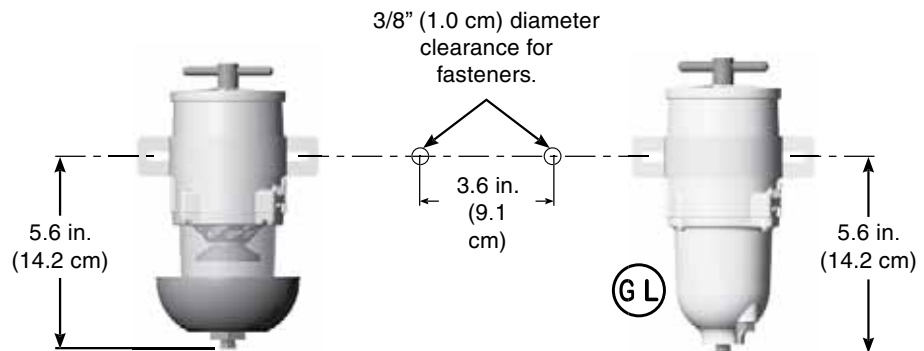
Replacement Element (seals included)		
2010SM-OR	2 micron	Final
2010TM-OR	10 micron	Secondary
2010PM-OR	30 micron	Primary ¹
¹ A secondary or final filter is required downstream.		

All 2010 Series filters are 2.7" tall by 3.1" in diameter.

Not all configurations are available - contact Technical Support for more information.

Mounting Information

500MA
Certifications



1000 Series Overview

Applies to all models.



Specifications	1000MA	1000MAM	1003MA	731000MA	731000MAM
M					
Maximum Flow Rate:					
One Filter On-line	180 GPH (681 LPH)	180 GPH (681 LPH)	180 GPH (681 LPH)	N/A	N/A
Two Filters On-line	N/A	N/A	N/A	360 GPH (1363 LPH)	360 GPH (1363 LPH)
Application	Diesel	Gasoline or Diesel	Diesel	Diesel	Gasoline or Diesel
Port Size	7/8"-14 (SAE J1926 female threads)	7/8"-14 (SAE J1926 female threads)	1/2"-14 NPT (female threads)	3/4"-14 (SAE J476 male threads)	3/4"-14 (SAE J476 male threads)
Height	22.0 in. (55.9 cm)	21.5 in. (54.5 cm)	22.0 in. (55.9 cm)	22.0 in. (55.9 cm)	21.5 in. (54.5 cm)
Width	6.0 in. (15.2 cm)	6.0 in. (15.2 cm)	6.0 in. (15.2 cm)	16.5 in. (41.9 cm)	16.5 in. (41.9 cm)
Depth	7.0 in. (17.8 cm)	7.0 in. (17.8 cm)	7.0 in. (17.8 cm)	12.0 in. (30.5 cm)	12.0 in. (30.5 cm)
Weight	10 lb (4.5 kg)	11 lb (5.0 kg)	10 lb (4.5 kg)	26 lb (11.8 kg)	27 lb (12.2 kg)
Clean Pressure Drop	0.5 PSI (3.4 kPa)	0.5 PSI (3.4 kPa)	0.5 PSI (3.4 kPa)	1.7 PSI (11.7kPa)	1.7 PSI (11.7 kPa)
Maximum Pressure	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)
Water Capacity	10.3 oz (305 ml)	10.3 oz (305 ml)	10.3 oz (305 ml)	20.6 oz (610 ml)	20.6 oz (610 ml)
Overhead Clearance	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)
Water Removal	99%	99%	99%	99%	99%
Efficiency	° to +250°F (-40° to +121°C)				
Ambient Fuel Temperature	-40				
Maximum Fuel Temperature	190oF (32oC)				

Marine Turbine Series

1000 Series Overview

Applies to
all models.



Specifications	751000MAX	751000MAXM	771000MA	791000MAV
Maximum Flow Rate: <i>One Filter On-line</i> <i>Two Filters On-line</i> <i>Three Filters On-line</i>	180 GPH (681 LPH) 360 GPH (1363 LPH) N/A	180 GPH (681 LPH) 360 GPH (1363 LPH) N/A	N/A N/A 540 GPH (2044 LPH)	180 GPH (681 LPH) 360 GPH (1363 LPH) 540 GPH (2044 LPH)
Application	Diesel	Gasoline or Diesel	Diesel	Diesel
Port Size	7/8"-14 (SAE J514 male threads)	7/8"-14 (SAE J514 male threads)	1"-11.5 (SAE J476 male threads)	3/4"-14 (SAE J476 male threads)
Height	22.0 in. (55.9 cm)	21.5 in. (54.6 cm)	22.0 in. (55.9 cm)	22.0 in. (55.9 cm)
Width	18.8 in. (47.6 cm)	18.8 in. (47.6 cm)	21.5 in. (54.6 cm)	21.5 in. (54.6 cm)
Depth	11.0 in. (27.9 cm)	11.0 in. (27.9 cm)	12.0 in. (30.5 cm)	11.8 in. (30.0 cm)
Weight	30 lb (13.6 kg)	31 lb (14.1 kg)	39 lb (17.7 kg)	52 lb (23.6 kg)
Clean Pressure Drop	3.7 PSI (25.5 kPa)	3.7 PSI (25.5 kPa)	1.7 PSI (11.7 kPa)	2.5 PSI (17.2 kPa)
Maximum Pressure	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)	25 PSI (1.0 bar)
Bowl Capacity	20.6 oz (610 ml)	20.6 oz (610 ml)	30.9 oz (915 ml)	30.9 oz (915 ml)
Overhead Clearance	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)
Water Removal Efficiency	99%	99%	99%	99%
Ambient Fuel Temperature	-40° to +250°F ¹ (-40° to +121°C)			
Max. Fuel Temperature	190oF (32oC)			

PROSEP FILTER SYSTEMS LTD
Unit G19
River Bank Way
Lowfields Business Park
Elland
West Yorkshire
HX5 9DN

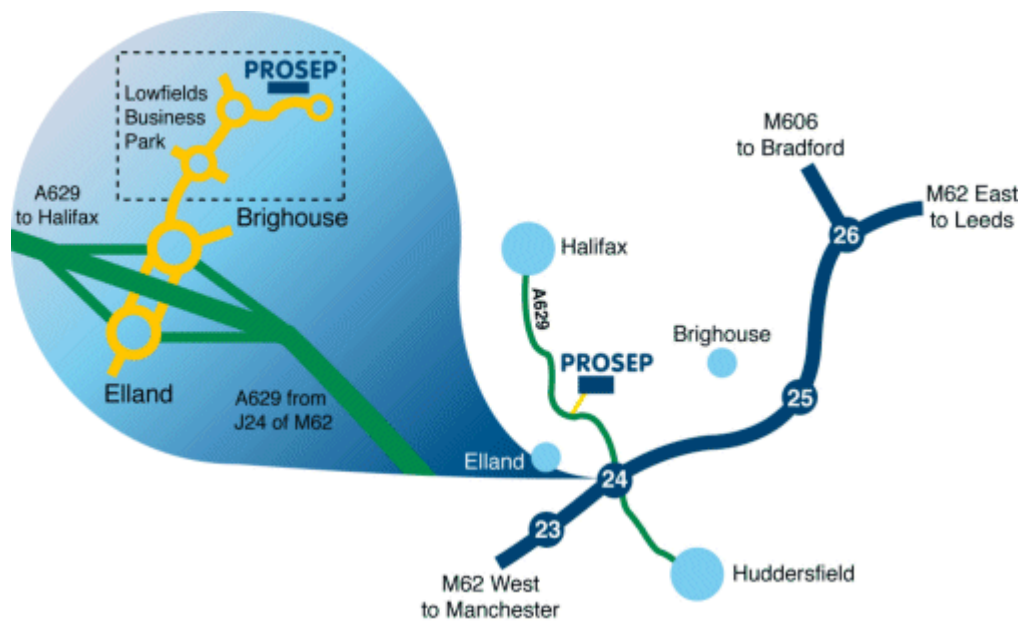
Tel: 01422 377367

Fax: 01422 377369

Email: enquiries@prosep.co.uk

www.prosep.co.uk

Map and Directions to Prosep Filters Limited



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)