

TURBINE SERIES



A single valve on all of the double manifold MAX models isolates one filter/separator for service while the other keeps operating. This way, you keep running while draining contaminants from the collection bowl or while changing filter elements.

Legendary Diesel Fuel Filtration

When engines demand heavy-duty, high-capacity water separation and fuel filtration, the Turbine Series is the most complete, efficient and reliable engine protection you can install. Symbolizing Racor's continuing commitment to the science of filtration, the Turbine Series has established its position as the filter/separator often imitated, but never equaled. Models which include an aluminum bowl or stainless steel shield meet ASTM FS1201 certification, are UL-listed, American Bureau of Shipping, Veritas, Det Norske Veritas, ISO 10088 and U.S.C.G. accepted. For severe service, all-metal bowls should be specified.

The top cap includes handles for easy servicing and an element bypass button for emergencies.

With an Aquabloc®II replacement element, you get a complete kit with all the seals you need. And not just any seals, but specially-formulated, Racor-engineered seals.



Order Genuine Aquabloc II Replacement Elements.

Be sure to specify both the size of element and the micron rating.

MODEL	500	900	1000
2 Micron	2010SM-OR	2040SM-OR	2020SM-OR
10 Micron	2010TM-OR	2040TM-OR	2020TM-OR
30 Micron	2010PM-OR	2040PM-OR	2020PM-OR

S = Secondary/Final 2 micron (Brown end-cap)

T = Primary or Secondary/Final 10 micron (Blue end-cap)

P = Primary 30 micron (Red end-cap)



For convenience, end-caps are color-coded for easy identification and application – red for 30-micron primary filtration, blue for 10-micron primary or secondary and brown for 2-micron secondary/final filtration.

An internal shut-off valve in the 900 and 1000 series safeguards your engine from inferior will-fit elements.

Aquabloc II media is a blend of high-grade cellulose compounded with engineered fibers and a special chemical treatment. Water won't even cling to the element. Aquabloc II repels it.

Besides removing asphaltenes, gums and varnishes, Aquabloc II elements filter tiny particles of dirt and algae from fuel. Aquabloc II elements are rustproof – with polymer end-caps that won't ever corrode.

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T-handle vacuum restriction gauge is available for customer installation.

Genuine Aquabloc® II replacement element.

Rugged, die cast aluminum construction.

Check valve.

Turbine centrifuge.

MA units have shielded see-thru bowls; MAM bowls are all-metal.

UL-listed drain valve and water sensor probe options are available.



The Inside Story

- 1 As fuel enters, it moves past the internal check valve then through the turbine centrifuge where it flows in a spiraling direction, spinning off large particulates and water droplets. Being heavier than fuel, they fall to the bottom of the collection bowl.
- 2 Smaller water droplets bead-up along and on the sides of the internal components and on the surface of the Aquabloc II element. When heavy enough, they too fall into the high-capacity bowl to be drained as needed.
- 3 Besides repelling water and tiny solids, asphaltenes, algae and rust are filtered from fuel by the Aquabloc II element. Because Aquabloc II elements are waterproof, they remain effective longer.



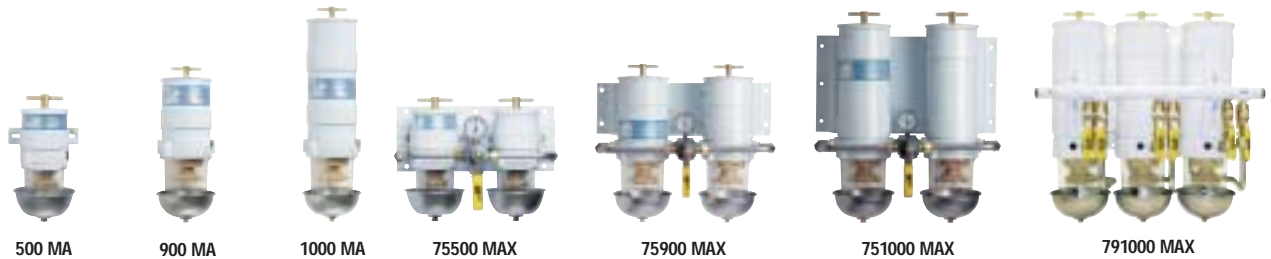
1606B Gauge



RK20726 Water Alarm/
Water Probe



RK19492
UL-Listed Drain Valve



MODEL	500 MA	900 MA	1000 MA	75500 MAX	75900 MAX	731000 MA	751000 MAX	771000 MA	791000 MAV
Maximum Flow Rate	60 gph 227 lph	90 gph 341 lph	180 gph 681 lph	120 gph 454 lph	180 gph 681 lph	360 gph 1363 lph	180/360 gph 681/1363 lph	540 gph 2044 lph	360/540 gph 1363/2044 lph
Height	11.5" / 292 mm	17" / 432 mm	22" / 559 mm	11.5" / 292 mm	17" / 432 mm	22" / 559 mm	22" / 559 mm	22" / 559 mm	22" / 559 mm
Width	5.8" / 147 mm	6" / 152 mm	6" / 152 mm	14.5" / 368 mm	18.75" / 476 mm	17" / 432 mm	18.75" / 476 mm	21.5" / 546 mm	21.5" / 546 mm
Depth	4.8" / 122 mm	7" / 178 mm	7" / 178 mm	9.5" / 241 mm	11" / 279 mm	12" / 305 mm	11" / 279 mm	12" / 305 mm	12" / 305 mm
Weight	4 lbs / 2 Kg	6 lbs / 3 Kg	10 lbs / 5 Kg	17 lbs / 7.7 Kg	23 lbs / 10 Kg	26 lbs / 11.8 Kg	30 lbs / 13.6 Kg	39 lbs / 17.7 Kg	52 lbs / 23.6 Kg
Port Size Std. (Option)	3/4"-16 UNF 14 mm x 1.5	7/8"-14 UNF 22 mm x 1.5	7/8"-14 UNF 22 mm x 1.5	3/4"-16 UNF	7/8"-14 UNF	3/4" NPT	7/8"-14 UNF	1"-11.5 NPT	3/4" NPT
Clean Pressure Drop	0.61 PSI 4.23 kPa	0.34 PSI 2.4 kPa	0.49 PSI 3.4 kPa	0.70 PSI 4.83 kPa	1.7 PSI 11.7 kPa	1.7 PSI 11.7 kPa	3.7 PSI 25.5 kPa	1.7 PSI 11.7 kPa	2.5 PSI 17.2 kPa
Maximum ¹ Operating Pres.	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa
Element #	2010	2040	2020	2010	2040	2020	2020	2020	2020
Element Rmvl. Clearance	4" / 102 mm	5" / 127 mm	10" / 254 mm	4" / 102 mm	5" / 127 mm	10" / 254 mm	10" / 254 mm	10" / 254 mm	10" / 254 mm

Notes:

Units are available with all metal bowls, add "M" to suffix, consult factory. Example 500MAM2. Also available in metric ports, add "*" to prefix when ordering. Example *500MA2.

(1) Vacuum installations are recommended.