

# Racor 900 and 1000

FG & FH Fuel Filter Water Separators  
Priming Pump Installation  
For RKP1912 & RKP1924



Turbine Series Fuel Primer Pump Kit is designed for marine, genset, and mobile applications.

Available in 12 volt (RKP1912) and 24 volt (RKP1924). Turbine Series Fuel Primer Pump Kits can be retrofitted to Racor 1000 or 900 Turbine Series fuel filters already in service.

Turbine Series Primer Pumps are designed to offer improved ease of maintenance. Primer pump kits are pre-assembled and include all the components needed for easy installation. Primer pump housings are powder coated and manufactured with premium materials.



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## Features and Benefits

- Easy installation
- 60 gallons per hour flow rate while in priming mode
- 12 VDC brushed electric motor and pre-screen
- 24 VDC brushless electric motor and pre-screen
- One size fits several models
- Kit includes wiring harness and controller switch
- Allows for electric re-priming of filter and fuel system
- Not for use as continuous duty
- Pump adds only 3.3" to the over all assembly



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## How it works

The Fuel Primer Pump Kit is an innovative and proprietary system consisting of a pre-screen filter, a flow bypass circuit and a pump powered by a 12VDC brushed motor or a 24VDC brushless 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 primer pump system is bypassed and the Racor fuel filter/water separator functions normally.

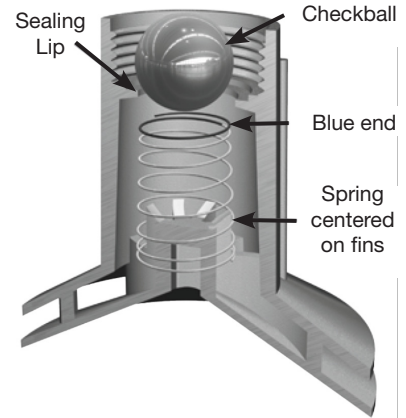
The Primer Pump Kit works on Racor duplex and triplex systems also. This will allow one Racor primer pump to prime the other filter or filters in a manifold system such as a 751000MAX for example.

## Installation

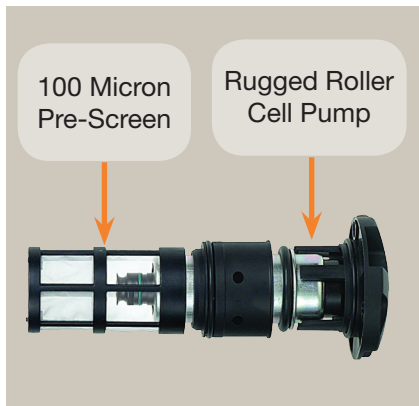
During the installation of the primer kit it is important to replace the check valve spring, located inside the baffle, with the spring provided in the primer pump kit to ensure proper function of the pump. For single turbine housing only one spring will be used, however for duplex units, such as the FHX or MAX, both turbine assemblies will need the spring replaced. Failure to replace (see check ball spring detail diagram) this spring will result in uneven loading of filter elements and perceived filter life reduction.

Installation Instructions Part # 14356

## Check Ball and Spring Detail



## Pre-Screen Kit



Specifications	RKP1912	RKP1924
<b>Volts DC</b>	12	24
<b>Pump Flow Rate*</b>	29 to 60 GPH (110 to 227 LPH)	60 GPH (227 LPH)
<b>Pump Body</b>	RK22933 (Brushed)	RK23087 (Brushless)
<b>Pre-Screen Kit</b>	RK22934	RK22934
<b>Wire Harness</b>	RK 58091	RK23088
<b>Lid Kit With Vent Plug</b>	RK 11-1933-06	RK 11-1933-06
<b>Vent Plug</b>	RK 10110	RK 10110
<b>Check Ball and Spring</b>	RK11-1978	RK11-1978

\* While in priming mode. **RKP1912** Pump Flow Rate will vary based on system design.