

Accessories

RK22936 No Spill Filler Spout

These versatile filler spouts have unlimited uses. They fit many Racor products including additives bottles and the flexible design allows users to bend the spout for flow control. This kit includes 4 hanging strips with 12 pieces on each strip; that's a total of 48 pieces per kit.

RK31605 Parker Super O-lube

Another great product that helps with the installation of our filter assemblies and ensures a correct seal. Parker Super O-lube has a silicone base and will not harm O-rings, seals and other gaskets. Available in a 2 oz. tube which gives you plenty to go around. One 2 oz. tube per kit.



RK22628 Bowl Wrench

Racor offers a hand wrench to remove all metal and see-thru spin-on bowls that feature external ribs. By simply fitting the wrench over the bowl ribs, the bowl can be removed from the replaceable spin-on element, or filter housing with little effort. The wrench is made of a corrosion proof, high-impact, high-strength engineered polymer. One bowl wrench per kit.



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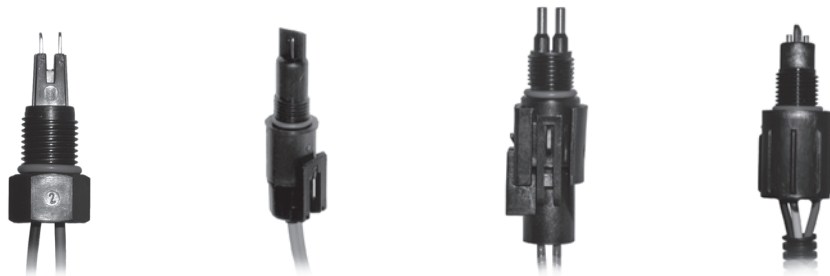
Mobile Fuel Filtration

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Water Probe Kits

Racor offers a wide selection of water probes, each designed for use with particular models and installation requirements. These probes are available in various configurations to fit every Racor filter/separator. The water probe is only a component in the water detection system and will not work without a Racor electronic detection module (see next two pages).

The **RK30880** has the electronic detection module built-in to its design and has the simplest installation procedure. Multiplex units must use one probe for each collection bowl but only one water detection module is needed. Wiring instructions are supplied with each water detection module sold. Use the guide below to find the correct probe for your application.



Specifications	RK21069	RK30964	RK22371	RK30880
Threads	½"-20 Threads	½"-20 Threads	⅞"-18 Threads	½"-20 Threads
Description	One piece design with two wires. Requires a detection module.	Includes detachable 2-wire connector. Requires a detection module.	Includes detachable 2-wire connector. Requires a detection module.	Includes detachable 3-wire connector, built-in detection electronics and under-dash warning light. Probe sends ground signal to light.
Voltage	12 or 24 vdc	12 or 24 vdc	12 or 24 vdc	12 or 24 vdc
Power Draw: (12 volt) (24 volt)	N/A	N/A	N/A	5 Milliamps 10 Milliamps
Maximum Load	N/A	N/A	N/A	1 Amp
Weight	0.03 lb (0.01 kg)	0.02 lb (0.01 kg)	0.1 lb (0.05 kg)	0.4 lb (0.2 kg)

Caution: Never wire a water probe directly to voltage or another brand of detection module.

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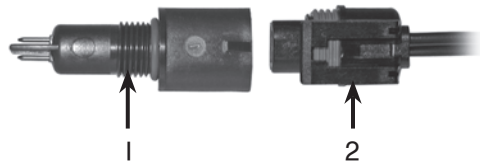
RK21069 Replacement Part List

RK21069 Water Probe
(one piece design)



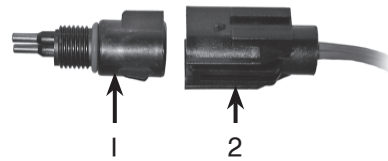
RK30964 Replacement Part List

1. RK30902 Water Probe
2. RK30904 Connector



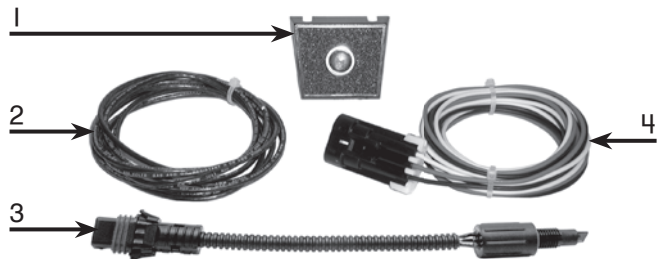
RK22371 Replacement Part List

1. RK21145 Water Probe
2. RK21199 Connector



RK30880 Replacement Part List (individual components NOT sold separately)

1. Light Panel
2. 14GA Black Wire
3. Water Probe with Male Connector
4. Three Wire Female Connector



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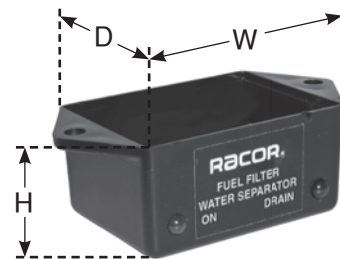
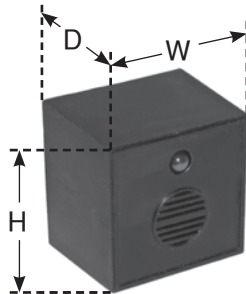
Accessories

Water Detection Modules

Racor Water Detection Kits are available in a wide selection for various installation requirements. Under dash, in-dash and remote mount, these solid-state units may be used with any Racor fuel filter/water separator and water probe. They are manufactured using the highest quality materials and are all 100% electrically tested.

An electric detection module analyzes electrical resistance at the water probe and determines if water is present. If so, the detection module operates to indicate water, based on its features listed below. All units reset automatically after water is removed (unless specified). All water detection module kits include an **RK21069** water probe.

Under Dash



Specifications	RK12870	RK12871	RK20725	RK20725-24
Voltage	12 vdc	24 vdc	12 vdc	24 vdc
Features	Light and Buzzer	Light and Buzzer	Light Only	Light Only
Description	Lamp illuminates and buzzer sounds when water is detected. Water must be drained to reset light and stop buzzer.	Same as RK12870	Green ON lamp illuminates with power and red DRAIN lamp illuminates when water is detected. Includes initial power-up self diagnosis feature & circuit protection.	Same as RK20725
Dimensions	1.4" H x 1.25" D x 1.4" W	1.4" H x 1.25" D x 1.4" W	1.0" H x 1.5" D x 2.0 W	1.0" H x 1.5" D x 2.0 W
Power Draw	1 Milliamp	1 Milliamp	10 Milliamps	10 Milliamps
Max. Internal Load	30 Milliamps	30 Milliamps	30 Milliamps	30 Milliamps
Weight	0.2 lb (0.1 kg)	0.2 lb (0.1 kg)	0.4 lb (0.2 kg)	0.4 lb (0.2 kg)

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In-Dash Water Detection Modules



Specifications	RK20726	RK11-1570
Voltage	12 or 24 vdc	12 or 24 vdc
Features	Light & Buzzer	Light & Buzzer
Description	Red DRAIN lamp illuminates continuously and buzzer sounds momentarily when water is detected. Power-up self diagnosis feature and circuit protection included.	Includes pre-set vacuum switch (7in. Hg.), connector and outlet adapter fitting. The red DRAIN or CHANGE FILTER lamps illuminate continuously and buzzer sounds momentarily when water is detected.
Dimensions¹	2.2" Diameter x 3.2" Depth	2.2" Diameter x 2.0" Depth
Power Draw: (12 volt) (24 volt)	3 Milliamps 13 Milliamps	3 Milliamps 14 Milliamps
Max. Internal Load	30 Milliamps	30 Milliamps
Weight	0.4 lb (0.2 kg)	0.9 lb (0.4 kg)
¹ Cut 2.0" diameter hole to mount gauges in instrument panel.		

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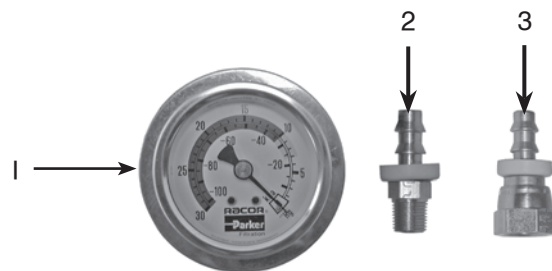
Remote-Mount Water Detection Modules



Specifications	RKI4329	RKI4321	I4332
Voltage	12 vdc	24 vdc	12 vdc
Features	Sends Hot (+) Signal	Sends Hot (+) Signal	Sends Ground (-) Signal
Description	Receives a signal from a water probe or vacuum switch (not included) and then sends a signal to a horn or lamp. Must be used with a relay if power draw is over 1 amp.	Same as RKI4329 but sends 24 vdc hot (+) signal.	Same as RKI4329 but sends 12 vdc ground (-) signal
Dimensions	0.7" H x 2.5" D x 2.8" W	1.0" H x 1.5" D x 2.0 W	1.0" H x 1.5" D x 2.0 W
Power Draw	14 Milliamps	10 Milliamps	10 Milliamps
Max. Internal Load	30 Milliamps	30 Milliamps	30 Milliamps
Weight	0.3 lb (0.1 kg)	0.4 lb (0.2 kg)	0.4 lb (0.2 kg)

I606B Part List

- 1. RKI1233 Vacuum Gauge
- 2. 7232-4 Adapter Fitting
(1/8" NPTM x #4 (1/4") hose)
- 3. 7234-4 Adapter Fitting
(1/4" swivel x #4 (1/4") hose)
- 11-1115 Installation Instructions



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Vacuum Gauges

Vacuum gauges are available to monitor element condition and as the filter element slowly becomes clogged with contaminants the restriction (resistance to flow) increases. The fuel pump still tries to draw fuel (suction) but because of this restriction less fuel is delivered to the engine and instead more air is pulled from it (fuel de-gassing). These results can cause the engine to lose power and eventually stall.

By installing a vacuum gauge in your fuel system (at the outlet side of the Racor filter) visual monitoring of element condition is possible at a glance. At the first indication of decreased performance, note the dial reading or apply the 'red line' decal provided with most kits. This will assist in knowing when to change the filter at the next interval.



Specifications	RK11233	1606B	RK11-1676
Description	Silicone dampened, 0-30 inHg. Instrument panel installation.	Includes gauge and two fittings (see below). Instrument panel installation.	Silicone dampened, 0-30 inHg.
Threads	¼" NPT back bracket mount.	¼" NPT back bracket mount.	¼" NPT bottom boss mount.
Dimensions	2.0" W x 1.9" D	2.0" W x 1.9" D	2.0" W x 1.1" D
Dial	2 in.	2 in.	2 in.
Weight	0.4 lb (0.2 kg)	0.4 lb (0.2 kg)	0.3 lb (0.1 kg)

Special Notes: For severe vibration applications, mount the gauge on a stable, remote location and connect to the source using flexible tubing. After September 1999, Racor converted many liquid-filled gauges to new silicone dampened movement. This new (dry) technology provides a vibration resistant design that never leaks fluid or requires adjustments due to temperature or altitude variations.

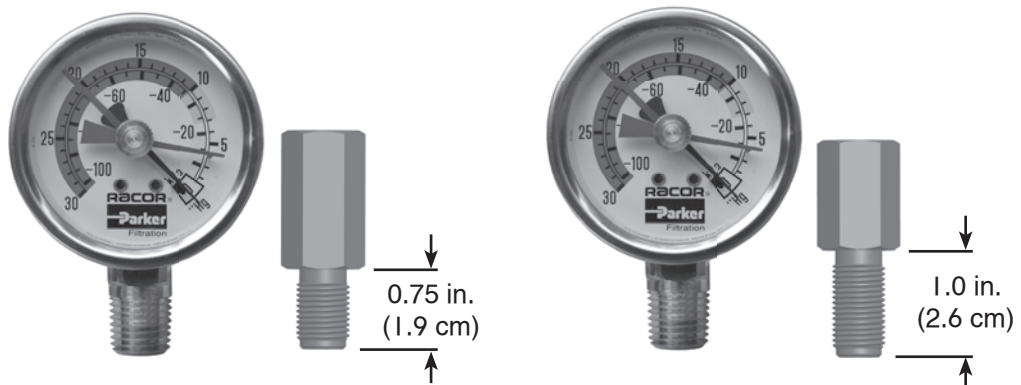
Mobile Fuel Filtration

Accessories

T-handle Vacuum Gauge

T-handle vacuum gauges are available to monitor element condition and as the filter element slowly becomes clogged with contaminants the restriction (resistance to flow) increases. The fuel pump still tries to draw fuel (suction) but because of this restriction less fuel is delivered to the engine and instead more air is pulled from it (fuel de-gassing). These results can cause the engine to lose power and eventually stall.

By installing a vacuum gauge in your fuel system (at the outlet side of the Racor filter) visual monitoring of element condition is possible at a glance. At the first indication of decreased performance, note the dial reading or apply the 'red line' decal provided with most kits. This will assist in knowing when to change the filter at the next interval.



Specifications	RK11-1969	RK11-1669
Description	500FG units only. T-handle vacuum gauge kit includes gauge & 11-1969 Fitting 9/16"-18 UNF	For 900FH & 1000FH units only. T-handle vacuum gauge kit includes gauge & 11-1668 Fitting, 9/16"-18 UNF
Threads	1/4" NPT bottom boss mount.	1/4" NPT bottom boss mount.
Dimensions	2.0" W x 1.1" D	2.0" W x 1.1" D
Dial	2 in.	2 in.
Weight	0.3 lb (0.1 kg)	0.3 lb (0.1 kg)

Special Notes: For severe vibration applications, mount the gauge on a stable, remote location and connect to the source using flexible tubing. After September 1999, Racor converted many liquid-filled gauges to new silicone dampened movement. This new (dry) technology provides a vibration resistant design that never leaks fluid or requires adjustments due to temperature or altitude variations.

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Compound Gauge Kits

Compound gauges are recommended for applications where pressure is occasionally present. These conditions are typically a result of 'head' pressure which is present in overhead fuel tank installations. Whatever the reason, compound gauges should be used because damage may result if a straight vacuum only gauge is used. Liquid filled (glycerin) gauges are recommended for high-vibration and pulsation applications (not engine mounted).



Specifications	RK18-1104	RK18-1551	RK19476
Description	Liquid Filled, 0-30 inHg / 0-30 PSI.	Liquid Filled, 0-30 inHg / 0-30 PSI.	0-25 inHg / 0-15 PSI.
Threads	¼"NPT back mount.	¼"NPT back mount.	¼"NPT bottom mount.
Dimensions	2" W x 1.9" D	2.5" W x 2.2" D	2.0" W x 1.1" D
Dial	2 in.	2.5 in.	2 in.
Weight	0.4 lb (0.2 kg)	0.5 lb (0.2 kg)	0.2 lb (0.1 kg)
Special Notes: For severe vibration applications, mount the gauge on a stable, remote location and connect to the source using flexible tubing.			

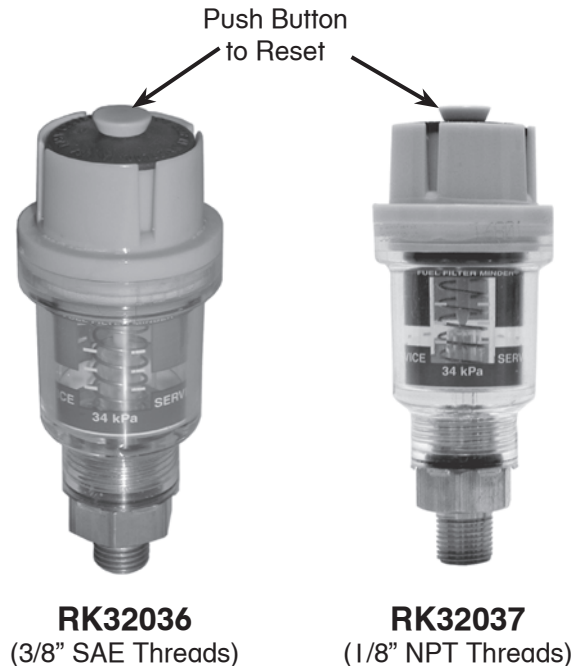
Mobile Fuel Filtration

Accessories

Vacuum Restriction Indicators

RK32036 and RK32037

Vacuum restriction indicators monitor element condition as the filter slowly becomes clogged with contaminants. As the element gets dirty, restriction increases and less fuel is delivered to your engine causing the engine to lose power and eventually stall. By installing a vacuum indicator in your fuel system, visual monitoring of element condition is possible at a glance, increasing fuel system troubleshooting efficiency, eliminating guess work, and lengthening element change intervals.



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Filter “Block-off” Caps

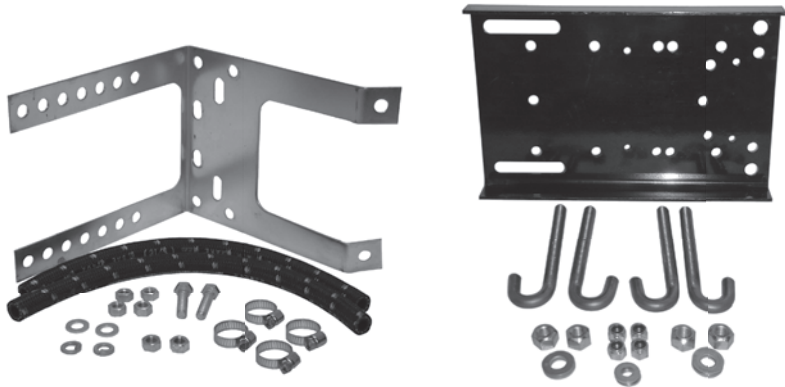


Specifications	22021	11548
Description	Ford Spin-on Cap Assembly (not a filter)	Cummins Spin-on Cap Assembly (not a filter)
Threads	1"-14	1"-14
Gasket Outside Diameter	3.60" x 0.25" thick	2.83" x 0.22" thick
Dimension	3.63" diameter, 3.5" long	3.63" diameter, 3.5" long
Weight	0.3 lb (0.1 kg)	0.3 lb (0.1 kg)

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Mounting Bracket Kits



<i>Specifications</i>	15205	RK11-1518
<i>Description</i>	Automobile & Light Truck Mounting Kit. Features flexible plated 14 gauge steel arms that can be cut and formed to fit many surfaces. Includes mounting hardware.	Frame Rail Mounting Bracket Kit. Features an adjustable powder coated 10 gauge steel design to fit frame rails up to 10" X 3 3/4" and 13/16" thick. Includes mounting hardware.
<i>Weight</i>	1.8 lb (0.8 kg)	6.0 lb (2.7 kg)

Accessories

OEM Kits

RK31923

F540/550 Bracket, Hose and Fittings Kit:

This kit is designed for use with 1999 and newer 2 wheel drive (2WD) and 4 wheel drive (4WD) vehicles. For this application the 645R30 model fuel filter/water separator (30 micron primary filter element) is suggested - order separately. For colder climate applications, the heated version is recommended: 645R1230 (this model includes a 12 vdc, 200 watt in-bowl heater - order relay kit number RK11861 unless your vehicle can



RK32313

DMAX Primary Fuel Filter Kit:

This primary fuel filter kit was designed specifically for General Motors pickups (extended cab and crew cab only) with 6.6L Duramax Diesel engines.

Kit Includes:

Qty	Part No.	Description
1	11-1962	Primary Filter Label
1	RK11861	12v Heater Relay Kit
4	11801	3/8"-16 X 1.5 Capscrews
8	11080	3/8" SAE Flat Washers
4	11901	3/8"-16 Self-locking Hexnuts
12	11114	6 3/4" Plastic Wire Ties
2	11-1220	3/8" Ring Terminals
2	12252	Wire Splice Connectors
2	911-N6-H8	3/8" NPT X 1/2" Hose Fittings
2	32280	1/2" Hose X 1/2" Tube Fittings
4	50016	#10 Hose Clamps
1	660R1210	Fuel Filter/Water Separator
1	32312	#8 X 36" Rubber Hose
1	32311	Filter Bracket
1	32314	Water Sensor/Harness Kit

Illustration does not show all components.

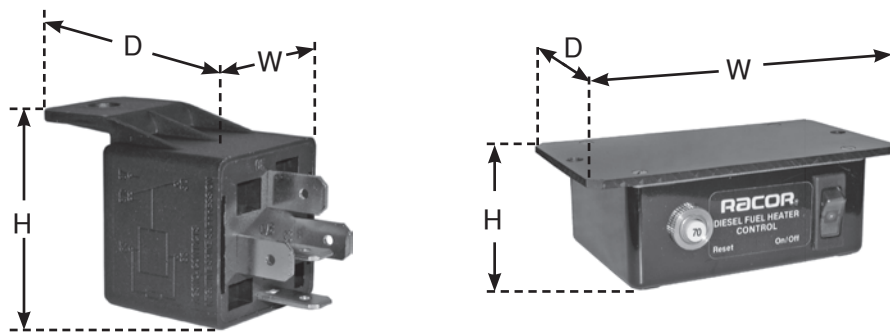


Mobile Fuel Filtration

Accessories

Electrical Heater Relay Kits

The following relay kits may be necessary when installing Racor Heater Kits due to the power demand. Standard OE fuses, wiring and alternators may be unable to carry the load without overheating or potential shorting, creating a serious condition.



Specifications	RK11861	RK11862	RK19490-12	RK19490-24
Description	Heater Relay Kit, Includes fuse and holder.	Heater Relay Kit, Includes fuse and holder.	Heavy-Duty Relay Kit	Heavy-Duty Relay Kit
Voltage	12 vdc	24 vdc	12 vdc	24 vdc
Detection Module	Remote Mount	Remote Mount	Under Dash	Under Dash
Maximum Watts	300	360	600	900
Maximum Amps	25	15	50	37
Dimensions	1.3" H x 1.6" D x 1.1" W	1.3" H x 1.6" D x 1.1" W	1.7" H x 2.9" D x 5.1" W	1.7" H x 2.9" D x 5.1" W
Weight	0.3 lb (0.1 kg)	0.3 lb (0.1 kg)	1.6 lb (0.7 kg)	1.6 lb (0.7 kg)
<p>Caution: If you are uncertain if your electrical system can provide the additional power draw, consult your equipment dealer or qualified electrician.</p>				

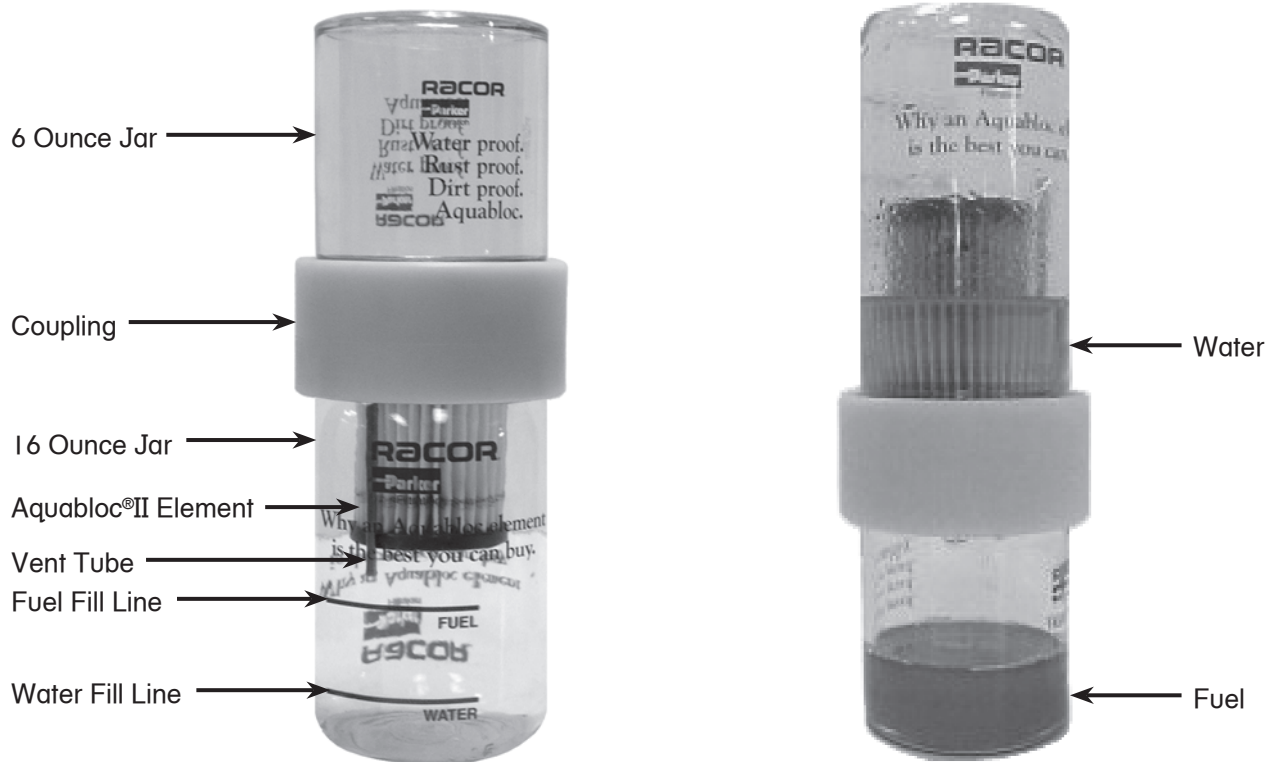
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12879 Aquabloc®II Demonstration Unit

The Racor Attache Aquabloc®II Demonstration Unit is a unique way of showing the exceptional water separation capabilities of our Aquabloc®II paper media. This demonstration will show that our Aquabloc®II paper media will easily separate a fuel/water mixture and allow fuel to pass through the element while water is blocked and held back. This demonstration can be repeated many times with the same element and will prove that Racor Aquabloc®II elements are far superior than other elements on the market.



Before Demonstration

Completed Demonstration