

# 507 SERIES WATER SENSING & PARTICULATE REMOVING



## 50710W

For Fuel and Hydraulic Applications

Note: Will **NOT** Sense Water in Ethanol Blended Fuel

### BENEFITS

- PetroClear model 50710W is a particulate removing and water sensing spin-on filter designed for use on fuel and hydraulic suction and return line applications.
- PetroClear model 50710W is a particulate and water sensing spin-on filter. These filters are designed to sense water, both free and emulsified, and slow flow as an indicator of the presence of water in NEAT GASOLINE, diesel fuels and hydraulic fluids.
- PetroClear model 50710W filter offers efficient 10 micron nominal particulate removal (nominal = 75% efficiency) and senses both free and emulsified water in NEAT GASOLINE, diesel and hydraulic fluids.
- Will not detect phase separation in Ethanol blended fuels.
- The water-sensing filter is not a fool-proof mechanical positive shut-off. If this filter remains in service after going into slow flow it can return to full flow, allowing contaminated fuel to be dispensed into the consumer's vehicle and cause potential damage.
- Compatible with Biodiesel fuel.

**PetroClear FILTERS ARE NOT TO BE USED  
IN AVIATION FUEL APPLICATIONS.**

### SPECIFICATIONS

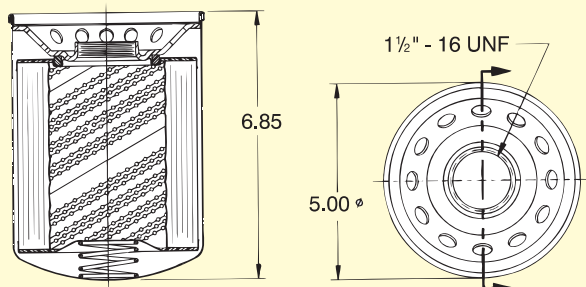
- The PetroClear model 50710W utilizes a 10 micron cellulose media to remove particulate from gasoline and diesel fuels including all Ethanol blended gasoline, Biodiesel and ULSD (Ultra Low Sulfur Diesel). Removes a minimum of 75% of particulate 10 micron in size (and approximately 100% of larger particulate) with water sensing capability in NEAT GASOLINE and diesel fuel.
- The maximum flow rate for PetroClear model 50710W is 40 gpm (151 lpm). Maximum operating pressure is 50 psid (3.4 bar). Maximum differential pressure is 25 psid (1.7 bar). Collapse pressure is 150 psid (10.3 bar). Maximum operating temperature is 250°F (139°C).
- PetroClear model 50710W utilizes a standard 1-1/2"-16 UNF mounting thread ref. (1" flow) required for most spin-on filter adaptors used in aftermarket and/or high-flow applications.
- An adaptor is available for model 50710W in aluminum. These adaptors are available in both NPT or BSP inlet/outlet threads. Inlet/outlet sizes are available in 3/4" and 1" single adaptors. This adaptor is also available in a dual style with both 1-1/2" and 2" inlet/outlet (2"- 4" bolt SAE flange combination).
- Each filter is packaged with a separate gasket that will fit most standard brands of adaptor filter mounting bases. Install gasket in adaptor's groove by placing in groove at 3 to 4 places and then smoothing gasket between those points. Lubricate with light oil. NOTE: Gasket does not mount on filter!
- If using this filter in a hydraulic/lube oil application, verify that you are applying the filter on a spin-on filter head that has a by-pass valve.

**NOTE:** If you experience frequent filter changes, it is recommended that you have fuel samples analyzed to determine the source of contamination, such as water, dirt, rust, bacteria, phase separation, etc.

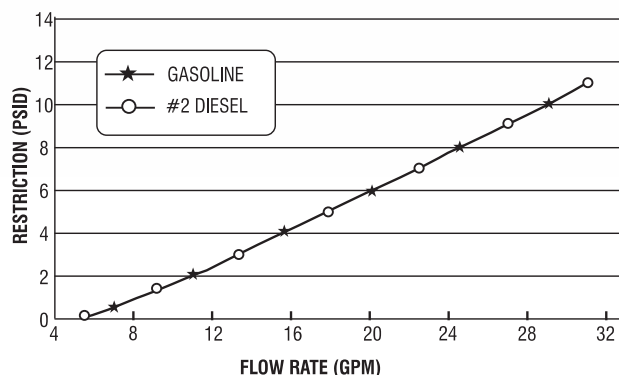
*For disposal information please contact your nearest EPA office.*

# 507 SERIES WATER SENSING & PARTICULATE REMOVING

## 50710W



## PetroClear 50710W



<b>Model</b>	<b>50710W</b>
<b>Filter Type</b>	Spin-On
<b>Media Type</b>	*Cellulose
<b>Micron Rating</b>	10 Micron (Nominal = 75% Efficiency)
<b>Diameter</b>	5.00"
<b>Height</b>	6.85"
<b>Mounting Thread</b>	1-1/2" -16 UNF
<b>Flow</b>	1" flow
<b>Shell Thickness</b>	0.020
<b>Gasket Material</b>	Buna N
<b>Collapse (Min.)</b>	150 psid (10.3 bar)
<b>Burst (Min.)</b>	250 psi (17.2 bar)
<b>Max. Operating Temp.</b>	250°F (139°C)
<b>Min. Operating Temp.</b>	-20°F (-28.9°C)

\*Water Sensing & Particulate Removing

Adaptors Available	Catalog	Description
1.00 N	1-1/2-16	1" NPT Inlet/Outlet Ports, 1-1/2" - 16 UNF (aluminum)
1.50 N	1-1/2-16	1-1/2" NPT Inlet/Outlet Ports, 1-1/2" - 16 UNF (aluminum)
D2.0 N	1-1/2-16	2" NPT Inlet/Outlet Ports, 1-1/2" - 16 UNF (aluminum)
<i>The 4-bolt SAE flange combination allows both 1-1/2" &amp; 2" inlet/outlet combinations.</i>		
1.00 B	1-1/2-16	1" BSP Inlet/Outlet Ports, 1-1/2" - 16 UNF (aluminum)

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*PetroClear is a technological product of Champion Laboratories, Inc. Changes may occur based upon technology, process and material innovation as Champion Laboratories, Inc. strives to attain the highest levels of performance and customer satisfaction. These changes may occur without notification.*