

511 SERIES WATER SENSING & PARTICULATE REMOVING



51110W and 51130W

For High-Flow Fuel Dispensers
Extended Life Water Sensing

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

BENEFITS

- PetroClear models 51110W and 51130W are particulate removing and water sensing spin-on filters designed for aftermarket, cost efficient particulate filtration of fuels at high volume fueling locations such as truck stops, card lock sites, and industrial and commercial applications.
- The 51110W and 51130W are designed to remove particulate and to sense both free and emulsified water from NEAT GASOLINE, Ethanol blended gasoline, diesel, Biodiesel, ULSD (Ultra Low Sulfur Diesel), Kerosene, fuel oils, lube oils and synthetic fluids.
- PetroClear models 51110W and 51130W are particulate and water sensing spin-on filters. 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 and diesel fuels. **This filter will not sense or react to water in Ethanol blended gasoline.**
- PetroClear model 51110W filter offers efficient 10 micron nominal particulate removal (nominal = 75% efficiency) and senses both free and emulsified water.
- PetroClear model 51130W filter offers efficient 30 micron nominal particulate removal (nominal = 75% efficiency) and senses both free and emulsified water.
- **PetroClear models 51110W and 51130W will not detect phase separation should it occur in Ethanol blended fuels.**
- Compatible with Biodiesel fuel.

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

SPECIFICATIONS

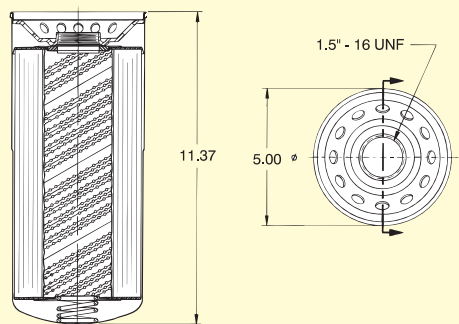
- The PetroClear model 51110W utilizes a 10 micron nominal cellulose super absorbent media to remove particulate and sense water in NEAT GASOLINE, Diesel fuels, Biodiesel and ULSD (Ultra Low Sulfur Diesel), kerosene, lube oils, fuel oils, and synthetic fluids. Removes a minimum of 75% of particulate 10 micron size (and approximately 100% of larger sized particulate).
- The PetroClear model 51130W utilizes a 30 micron nominal cellulose super absorbent media to remove particulate and sense water in NEAT GASOLINE, Diesel fuels, Biodiesel, ULSD (Ultra Low Sulfur Diesel), kerosene, lube oils, fuel oils, and synthetic fluids. Removes a minimum of 75% of particulate 30 micron size (and approximately 100% of larger sized particulate).
- The maximum flow rate for PetroClear models 51110W and 51130W is 40 gpm (151 lpm). Maximum operating pressure is 50 psid (3.4 bar). Maximum differential pressure is 25 psid (1.7 bar).
- PetroClear models 51110W and 51130W utilize 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.
- Adaptors are available for models 51110W and 51130W in aluminum. These adaptors are available in both NPT and BSP inlet/outlet threads. Inlet/outlet sizes are available in 1" and 1-1/2" single adaptors. Adaptors are also available in a dual style with both 1-1/2" and 2" inlet/outlet (2"- 4" bolt SAE flange combination).
- Once PetroClear models 51110W and 51130W have absorbed 28.9 ounces (855 mil) of water from NEAT GASOLINE or diesel fuels, flow will be noticeably slow.
- 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.

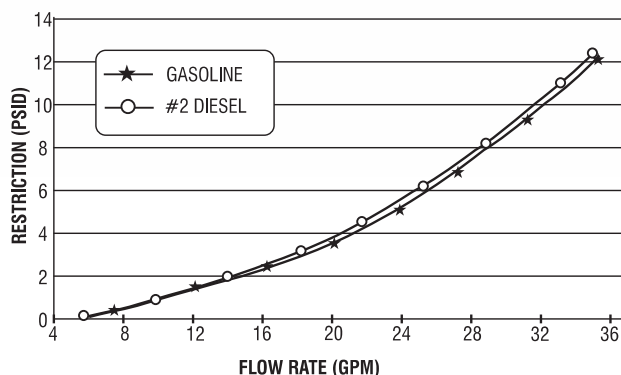
For disposal information please contact your nearest EPA office.

511 SERIES WATER SENSING & PARTICULATE REMOVING

5110W and 51130W



PetroClear 5110W and 51130W



| Model | 5110W | 51130W |
|-----------------------------|--------------------------------------|--------------------------------------|
| Filter Type | Spin-On | Spin-On |
| Media Type | *Cellulose Super Absorbent Media | *Cellulose Super Absorbent Media |
| Micron Rating | 10 Micron (Nominal = 75% Efficiency) | 30 Micron (Nominal = 75% Efficiency) |
| Diameter | 5.00" | 5.00" |
| Height | 11.37" | 11.37" |
| Mounting Thread | 1-1/2" -16 UNF | 1-1/2" -16 UNF |
| Flow | 1" flow | 1" flow |
| Shell Thickness | 0.020 | 0.020 |
| Gasket Material | Buna N | Buna N |
| Collapse (Min.) | 150 psid (10.3 bar) | 150 psid (10.3 bar) |
| Burst (Min.) | 250 psi (17.2 bar) | 250 psi (17.2 bar) |
| Max. Operating Temp. | 250°F (139°C) | 250°F (139°C) |
| Min. Operating Temp. | -20°F (-28.9°C) | -20°F (-28.9°C) |

*Particulate Removing and Water Sensing

| Adaptors Available | Catalog | Description |
|---|---------|---|
| 1.00 N 1.5-16 | | 1" NPT Inlet/Outlet Ports, 1-1/2"-16 UNF (aluminum) |
| 1.50 N 1.5-16 | | 1-1/2" NPT Inlet/Outlet Ports, 1-1/2"-16 UNF (aluminum) |
| D2.0 N 1.5-16 | | 2" NPT Inlet/Outlet Ports, 1-1/2"-16 UNF (aluminum) |
| <i>The 4-bolt SAE flange combination allows both 1-1/2" & 2" inlet/outlet combinations.</i> | | |
| 1.00 B 1.5-16 | | 1" BSP Inlet/Outlet Ports, 1-1/2"-16 UNF (aluminum) |

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