405 SERIES PARTICULATE REMOVING & WATER SENSING

40510W and 40530W

FOR FUEL DISPENSERS
WATER SENSING IN NEAT GASOLINE AND DIESELS

BENEFITS

- PetroClear models 40510W and 40530W are particulate removing and water sensing spin-on filters designed to remove particulate and to sense both free and emulsified water from gasoline, diesel, Biodiesel, ULSD (Ultra Low Sulfur Diesel), Kerosene and fuel oils.
- PetroClear models 40510W and 40530W are particulate removing 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 NOR REACT TO WATER IN ETHANOL BLENDED GASOLINE. (REACTION KNOWN AS PHASE SEPARATION).**
- PetroClear model 40510W filter offers efficient 10 micron nominal particulate removal (nominal = 75% efficiency) and senses both free and emulsified water in NEAT GASOLINE and diesel fuels.
- PetroClear model 40530W filter offers efficient 30 micron nominal particulate removal (nominal = 75% efficiency) and senses both free and emulsified water in NEAT GASOLINE and diesel fuels.
- UL recognized for NEAT GASOLINE and diesel fuels.
- Will not detect or react to phase separation in Ethanol blended fuels.
- Compatible with Biodiesel 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.

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

SPECIFICATIONS

- The PetroClear model 40510W utilizes a 10 micron cellulose media to remove particulate from gasolines and diesel fuels including Biodiesel and ULSD (Ultra Low Sulfur Diesel). Removes a minimum of 75% of particulate 10 micron in size (and approximately 100% of larger particulate). This filter utilizes a super-absorbent chemical that is laminated to the filter media for water sensing capabilities in neat gasoline and diesel applications.
- The PetroClear model 40530W utilizes a 30 micron cellulose media to remove particulate from gasolines and diesel fuels including Biodiesel and ULSD (Ultra Low Sulfur Diesel). Removes a minimum of 75% of particulate 30 micron in size (and approximately 100% of larger particulate). This filter utilizes a super-absorbent chemical that is laminated to the filter media for water sensing capabilities in neat gasoline and diesel applications.
- Once PetroClear models 40510W and 40530W have absorbed 5.9 ounces (175 mil) of water from neat gasoline or diesel fuel, flow will be noticeably slow.
- The maximum flow rate for PetroClear models 40510W and 40530W is 20 gpm (76 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 models 40510W and 40530W utilize a standard 1"-12 UNF mounting thread ref. (3/4" flow) required for most spin-on filter adaptors used in aftermarket.
- PetroClear models 40510W and 40530W utilize an epoxy coated interior shell to eliminate oxidation (rusting), which can cause pinhole leaks from the inside of the filter shell.
- Adaptors are available for models 40510W and 40530W in aluminum and cast iron. These single adaptors are available in both 3/4" and 1" NPT or BSP inlet/outlet threads.

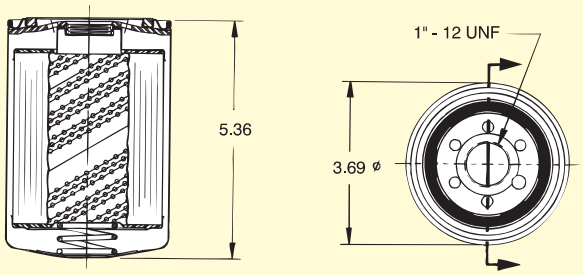
NOTE: If you experience frequent filter changes, it is recommended that you have fuel samples analyzed to determine the source of contamination, such as water, dirt, rust, bacteria, phase separation, etc.

For disposal information please contact your nearest EPA office.

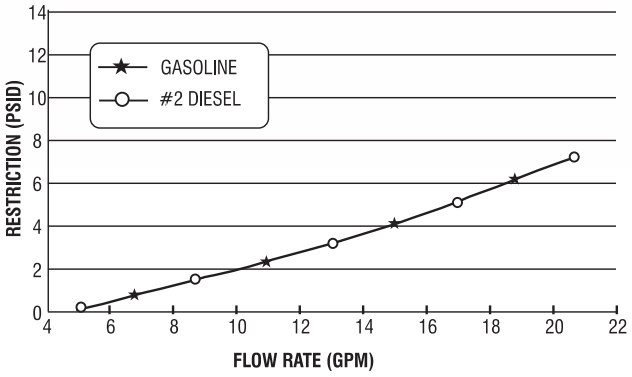
40510W and 40530W

For Fuel Dispensers

40510W and 40530W



PetroClear 40510W & 40530W



Model	40510W	40530W
Filter Type	Spin-On	Spin-On
Media Type	*Cellulose with Super Absorbent Media	*Cellulose with Super Absorbent Media
Micron Rating	10 Micron (Nominal = 75% Efficiency)	30 Micron (Nominal = 75% Efficiency)
Diameter	3.69"	3.69"
Height	5.36"	5.36"
Mounting Thread	1" – 12 UNF	1" – 12 UNF
Flow	3/4" flow	3/4" 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)
Other Features	Epoxy Coated Shell, UL Recognized US & Canada	Epoxy Coated Shell, UL Recognized US & Canada

**Water Sensing and Particulate Removing*

	Catalog	Description
Adaptors Available	0.75 N1-12	3/4" NPT Ports, 1" – 12 UNF (cast iron)
	0.75 N1-12A	3/4" NPT Ports, 1" – 12 UNF (aluminum)
	1.00 N1-12	1" NPT Ports, 1" – 12 UNF (cast iron)
	1.00 N1-12A	1" NPT Ports, 1" – 12 UNF (aluminum)
	0.75 B1-12	3/4" BSP Ports, 1" – 12 UNF (aluminum)
	1.00 B1-12	1" BSP Ports, 1" – 12 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.