

405-AD SERIES PARTICULATE REMOVING & WATER SENSING



40510W-AD and 40530W-AD

Particulate Removing & Water Sensing
in Neat Gasoline and Diesel Fuels
FOR HIGH-FLOW FUEL DISPENSERS

SPECIFICATIONS

- The PetroClear model 40510W-AD 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). It utilizes a super absorbent chemical that is laminated to the filter media for water sensing capabilities in NEAT GASOLINE and diesel fuels.
- The PetroClear model 40530W-AD 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). It utilizes a super absorbent chemical that is laminated to the filter media for water sensing capabilities in NEAT GASOLINE and diesel fuels.
- Once PetroClear models 40510W-AD and 40530W-AD have absorbed 5.9 ounces (175 mil) of water from neat gasoline or diesel fuels, flow will be noticeably slow.
- The maximum flow rate for PetroClear models 40510W-AD and 40530W-AD is 25 gpm (95 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-AD and 40530W-AD 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 such as Advantage, Encore, Eclipse and other high-flow dispensers.
- PetroClear models 40510W-AD and 40530W-AD utilize an epoxy-coated interior shell to eliminate oxidation (rusting), which can cause pinhole leaks in the filter shell.
- Adaptors are available for models 40510W-AD and 40530W-AD in aluminum. These single adaptors are available in 3/4" and 1" NPT 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.

BENEFITS

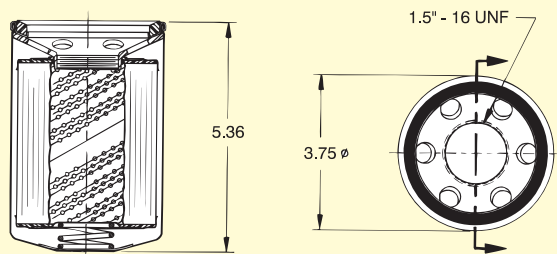
- PetroClear models 40510W-AD and 40530W-AD are particulate removing and water sensing spin-on filters designed to remove particulate and to sense both free and emulsified water from NEAT GASOLINE, diesel, Biodiesel, ULSD (Ultra Low Sulfur Diesel), kerosene and fuel oils.
- PetroClear models 40510W-AD and 40530W-AD 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 nor react to water in Ethanol blended gasoline. (Reaction known as phase separation)
- PetroClear model 40510W-AD 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-AD filter offers efficient 30 micron nominal particulate removal (nominal = 75% efficiency) and senses both free and emulsified water in NEAT GASOLINE and diesel fuels.
- Will not detect phase separation in Ethanol blended fuels.
- UL recognized for NEAT GASOLINE and diesel 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 fuels.

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

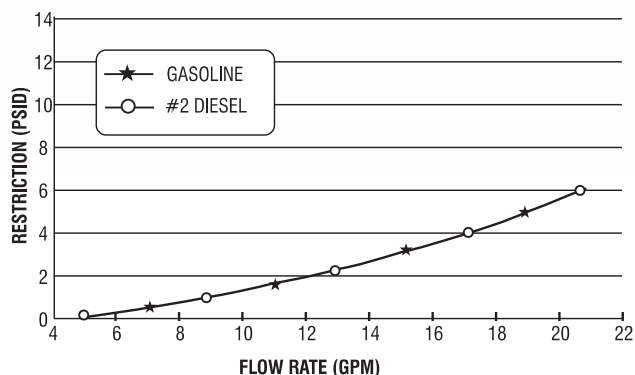
40510W-AD and 40530W-AD

For high-flow Fuel Dispensers

40510W-AD and 40530W-AD



PetroClear 40510W-AD & 40530W-AD



Model	40510W-AD	40530W-AD
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	3.75"	3.75"
Height	5.36"	5.36"
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.)	250 psid (17.2 bar)	250 psid (17.2 bar)
Burst (Min.)	500 psi (34.5 bar)	500 psi (34.5 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 in NEAT GASOLINE

Adaptors Available	Catalog	Description
0.75 N 1.5-16AD	3/4" NPT Inlet/Outlet Ports, 1-1/2" – 16 UNF (aluminum)
1.0 N 1.5-16AD	1" NPT Inlet/Outlet Ports, 1-1/2" – 16 UNF (aluminum)

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