

409-AD SERIES WATER SENSING & PARTICULATE REMOVING



40910W-AD and 40930W-AD

Extended Life For High-Flow
Fuel Dispensers

BENEFITS

- PetroClear models 40910W-AD and 40930W-AD 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 40910W-AD and 40930W-AD are designed to remove particulate and to sense both free and emulsified water from NEAT GASOLINE, diesel, Biodiesel, ULSD (Ultra Low Sulfur Diesel), Kerosene, fuel oils. This filter will not react to water in gasoline or diesel fuel nor to phase separation in alcohol blended gasolines by slowing flow.
- PetroClear models 40910W-AD and 40930W-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.
- PetroClear model 40910W-AD filter offers efficient 10 micron nominal particulate removal (nominal = 75% efficiency) and senses both free and emulsified water from NEAT GASOLINE or diesel fuel.
- PetroClear model 40930W-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.
- UL recognized for NEAT GASOLINE and diesel fuels.
- Will not detect phase separation in Ethanol blended fuels.
- Compatible with Biodiesel.
- 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

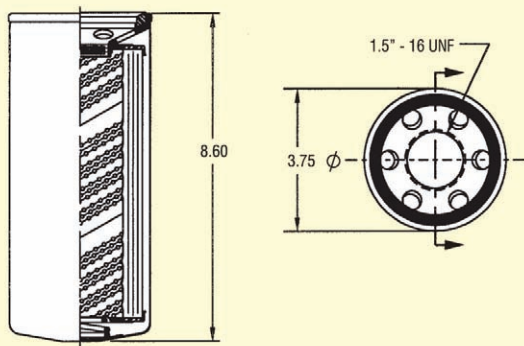
- The PetroClear model 40910W-AD utilizes a 10 micron cellulose media to remove particulate from gasoline and diesel fuels including Biodiesel and ULSD (Ultra Low Sulfur Diesel). Removes a minimum of 75% of particulate 10 micron in size (and approximately 100% of larger particulate) with water sensing capability in NEAT GASOLINE and diesel fuel.
- The PetroClear model 40930W-AD utilizes a 30 micron cellulose media to remove particulate from gasoline and diesel fuels including Biodiesel and ULSD (Ultra Low Sulfur Diesel). Removes a minimum of 75% of particulate 30 micron and larger (and approximately 100% of larger particulate) with water sensing capability in NEAT GASOLINE and diesel fuel.
- Once PetroClear models 40910W-AD and 40930W-AD have absorbed 10.7 ounces (315 mil) of water from NEAT GASOLINE or diesel fuel, flow will be noticeably slow.
- The maximum flow rate for PetroClear models 40910W-AD and 40930W-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 40910W-AD and 40930W-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.
- Adaptors are available for models 40910W-AD and 40930W-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.

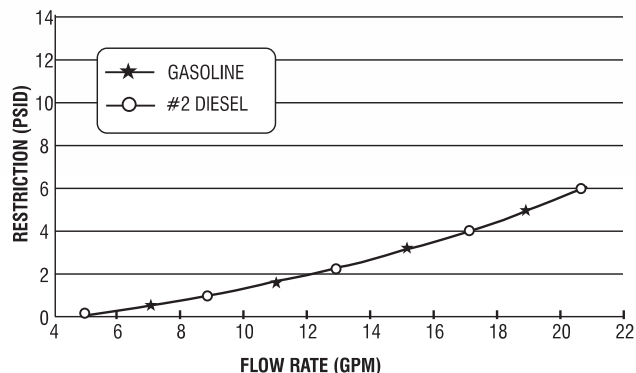
For disposal information please contact your nearest EPA office.

409-AD SERIES WATER SENSING & PARTICULATE REMOVING

40910WA-AD and 40930WA-AD



PetroClear 40910WA-AD and 40930WA-AD



Model	40910W-AD	40930W-AD
Filter Type	Spin-On	Spin-On
Media Type	*Cellulose	*Cellulose
Micron Rating	10 Micron (Nominal = 75% Efficiency)	30 Micron (Nominal = 75% Efficiency)
Diameter	3.75"	3.75"
Height	8.60"	8.60"
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)
Other Features	Epoxy Coated Shell, UL Recognized US & Canada	Epoxy Coated Shell, UL Recognized US & Canada

*Water Sensing and Particulate Removing

Adaptors Available	Catalog	Description
0.75 N 1.5-16	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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