

# 409 SERIES AGRICULTURAL WATER SENSING & PARTICULATE REMOVING



## 40910WA and 40930WA

Water Sensing Agricultural  
WATER SENSING IN NEAT GASOLINE AND DIESEL

### BENEFITS

- PetroClear models 40910WA and 40930WA 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 40910WA and 40930WA 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 40910WA filter offers efficient 10 micron nominal particulate removal (nominal = 75% efficiency) and senses both free and emulsified water.
- PetroClear model 40930WA filter offers efficient 30 micron nominal particulate removal (nominal = 75% efficiency) and senses both free and emulsified water in NEAT GASOLINE.
- 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 40910WA 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), and utilizes a super absorbent media that is laminated to the filter media for water sensing capabilities in NEAT GASOLINE and diesel fuel.
- The PetroClear model 40930WA 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), and utilizes a super absorbent media that is laminated to the filter media for water sensing capabilities in NEAT GASOLINE and diesel fuel.
- Once PetroClear models 40910WA and 40930WA 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 40910WA and 40930WA 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 40910WA and 40930WA utilize a standard 1-3/8"-12 UNF mounting thread ref. (1" flow) required for most spin-on filter adaptors used in aftermarket and agricultural applications.
- PetroClear models 40910WA and 40930WA 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 40910WA and 40930WA in cast iron. These single adaptors are available in 3/4" and 1" NPT inlet/outlet threads.

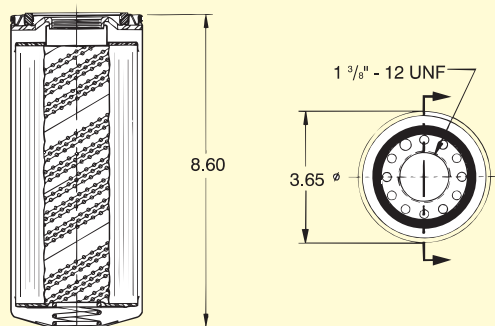
**NOTE:** If you experience frequent filter changes, it is recommended that you have fuel samples analyzed to determine the source of contamination, such as water, dirt, rust, bacteria, phase separation, etc.

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

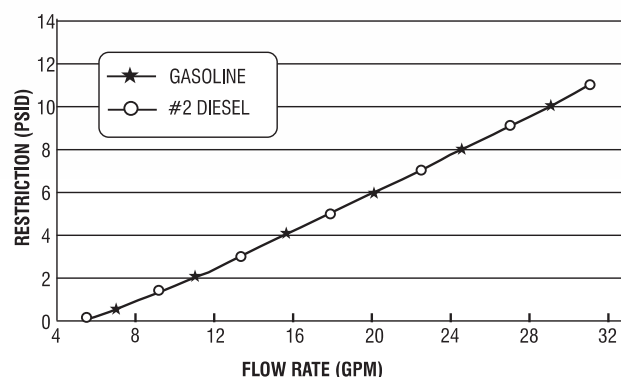
# 40910WA and 40930WA

## Agricultural

### 40910WA and 40930WA



### PetroClear 40910WA and 40930WA



Model	40910WA	40930WA
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	3.65"	3.65"
Height	8.60"	8.60"
Mounting Thread	1-3/8" -12 UNF	1-3/8" -12 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	Epoxy Coated Shell

\*Water Sensing and Particulate Removing

#### Catalog

#### Description

Adaptors Available .....1.00 N1 3/8 - 12 .....1" NPT Ports, 1-3/8" - 12 UNF (cast iron)

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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.