405 D Series "Dual Purpose"

Removes Particulate, Detects Phase Separation & Senses Water

Patented

40510D and 40530D

Detects and Reacts to Phase Separation in Ethanol Blends and Senses Water in Gasoline, Diesel and Biodiesel

FOR DISPOSAL INFORMATION PLEASE CONTACT YOUR NEAREST EPA OFFICE.

Benefits

- PetroClear® models 40510D and 40530D are spin-on filters designed to remove particulate in gasoline, ethanol blends, diesel and biodiesel. PetroClear® models 40510D and 40530D sense both free and emulsified water in neat gasoline, diesel and biodiesel. PetroClear® models 40510D and 40530D detect and react to phase separation in Ethanol blended gasoline and slow flow as an indicator to the presence of phase separation.
- PetroClear® model 40510D offers efficient 10 micron (nominal) particulate removal, senses both free and emulsified water and detects and reacts to phase separation.
- PetroClear® model 40530D offers efficient 30 micron (nominal) particulate removal, senses both free and emulsified water and detects and reacts to phase separation.
- The "dual purpose" models provide protection during the transition from neat gasoline to ethanol blends without the need to change filters.
- Textured paint coating helps ensure a simple, mess-free installation and removal process.
- UL® recognized.

PetroClear® Filters are NOT to be used in Aviation Fuel Applications!

Specifications

- The PetroClear® model 40510D utilizes a 10 micron (nominal) cellulose media to remove particulate 10 microns (nominal) or larger from neat gasoline, ethanol blends, diesel and biodiesel. The PetroClear® model 40510D also senses water in neat gasoline, diesel and biodiesel. The PetroClear® model 40510D provides phase separation detecting capabilities for ethanol-blended gasoline. It utilizes a super absorbent media for sensing water and a chemical core assembly to detect and react to phase separation.
- The PetroClear® model 40530D utilizes a 30 micron (nominal) cellulose media to remove particulate 30 microns (nominal) or larger from neat gasoline, ethanol blends, diesel and biodiesel. The PetroClear® model 40530D also senses water in neat gasoline, diesel and biodiesel. The PetroClear® model 40530D provides phase separation detecting capabilities for ethanol-blended gasoline. It utilizes a super absorbent media for sensing water and a chemical core assembly to detect and react to phase separation.
- Once PetroClear® models 40510D and 40530D have absorbed 5.9 ounces (175 mil) of water, flow will be noticeably slow.
- The center chemical core assembly detects and reacts to phase separation and significantly restricts flow through filters.
- The maximum flow rate for PetroClear® models 40510D and 40530D is 25 gpm (94.6 lpm). Maximum operating pressure is 50 psid (3.4 bar).
- Collapse pressure is 150 psid (10.3 bar). Maximum operating temperature is 250°F (139°C).
- PetroClear® 40510D and 40530D "Dual Purpose" filters utilize a standard 1" – 12 UNF mounting thread ref. (3/4" flow) required for most spin-on filter Adapters used in Gilbarco, Wayne, Bennett, Tokheim and other major manufacturers' dispensers, as well as with Adapters used in the aftermarket.
- Adapters are available for models 40510D and 40530D in aluminum and cast iron. These single Adapters are available in both 3/4" and 1" NPT and 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.*

PEI MEMBER

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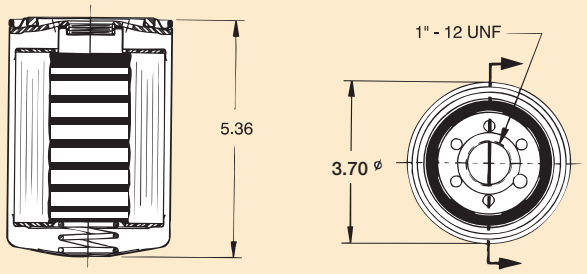
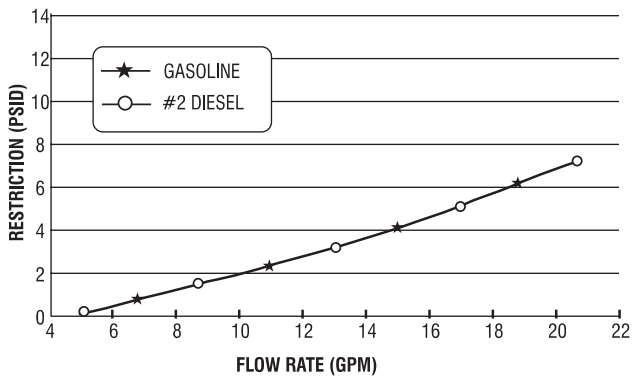


PetroClear® 40510D and 40530D



Model	40510D	40530D
Filter Type	Spin-On	Spin-On
Media Type	Cellulose* with Super Absorbent Media** and Chemical Core***	Cellulose* with Super Absorbent Media** and Chemical Core***
Micron Rating	10 Micron (nominal)	30 Micron (nominal)
Diameter	3.70"	3.70"
Height	5.36"	5.36"
Mounting Thread	1" – 12 UNF	1" – 12 UNF
Flow Rate	25 gpm (94.6 lpm)	25 gpm (94.6 lpm)
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)

**Particulate Removing, **Water Sensing, ***Detects Phase Separation*

Available Adapters

Part/Model Number	Description
.75N1-12	3/4" NPT Inlet/Outlet Ports, 1" – 12 UNF (cast iron)
.75N1-12A	3/4" NPT Inlet/Outlet Ports, 1" – 12 UNF (aluminum)
1.0N1-12	1" NPT Inlet/Outlet Ports, 1" – 12 UNF (cast iron)
1.0N1-12A	1" NPT Inlet/Outlet Ports, 1" – 12 UNF (aluminum)
.75B1-12	3/4" BSP Inlet/Outlet Ports, 1" – 12 UNF (aluminum)
1.0B1-12	1" BSP Inlet/Outlet Ports, 1" – 12 UNF (aluminum)