

PetroClear®

Quick Reference Guide to PetroClear®

Filters, Elements, Adapters & More



COMPANY BACKGROUND

Established in 1998, the PetroClear® brand was founded on the basic principles of offering high-quality and competitively-priced dispenser filtration products commercialized through a best-in-class distribution network. PetroClear is part of Champion Laboratories, Inc., a global supplier of filtration solutions that has been manufacturing high-quality filtration products for more than 60 years.

Committed to providing innovative filter solutions, PetroClear® is dedicated to providing its customers with the highest quality filter products and customer service second to none.

PetroClear®. Clear Selection. Ultimate Protection.

CONTACT INFORMATION

PetroClear®

200 South Fourth Street
Albion, IL 62806-1313, USA

Customer Service/Order Entry

Domestic, Canada, International

Fax for orders: (800) 545-1508
(618) 445-4040

Phone for orders: (800) 851-5990
(618) 445-5426

Technical Service

Filter Hot Line
Phone: (800) 882-0890

Corporate Credit Manager

Jennifer Brakie
Phone: (800) 851-3641 Ext.5409
(618) 445-5409
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E-mail: dwight.rutledge@champlabs.com

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CHAMPION LABORATORIES, INC.

FILTER WARRANTY

Filters manufactured by Champion Laboratories, Inc. are warranted to be free from defects in material and workmanship. Any filter proven defective during the engine or equipment manufacturer's recommended service intervals will be replaced at no charge.

In the event of an engine or equipment failure directly caused by a defective Champion manufactured filter, which was properly installed and changed following the engine or equipment manufacturer's recommended service intervals, Champion Laboratories, Inc. will repair the damaged engine or equipment. Claims for engine or equipment repairs provided under this warranty must be submitted within 30 days after discovery of damage. Champion Laboratories, Inc. Technical Service Department reserves the right to examine the engine or equipment and filter to determine the amount of damage and whether it was caused by a defective Champion manufactured filter.

This warranty gives you specific legal rights. You have other rights, which vary from state to state. Engine and equipment manufacturer's warranties remain in effect when Champion manufactured filters are used.

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QUALITY POLICY

It is the policy of PetroClear to maintain the highest standard of quality in all aspects of our operations and to continually satisfy the expectations of our customers.

We will provide our employees with all the necessary information, training, tools and support to achieve our business and quality objectives. We will also utilize our employees' input and suggestions to continuously improve the quality management system.

PetroClear is dedicated to continuous improvement in product development, supplier selection, production, and delivery of our products. Our ultimate goal is to provide superior filtration products and customer service excellence.

PetroClear designs, manufactures, and sells filtration products in accordance with requirements of Quality Systems and ISO/TS 16949:2009.

**VISIT US ONLINE AT
PETROCLEAR.COM**



SPIN-ON FUEL FILTER

A Look Inside a PetroClear® Filter



The element assembly consists of the following: Pleated filter media which removes contaminants from the fuel. Metal end caps, plus thermo-setting adhesive, providing positive seals, which prevent the by-pass of contaminated fuel. The core provides strength and support to the pleated media. The cover backplate assembly consists of a threaded backplate formed from thick steel for strength, a gasket retainer and a sealing gasket. The cover and backplate assembly is roll seamed to the shell to provide a leak proof assembly on all dispenser filters. A coil spring keeps pressure on the element and all internal components to ensure proper filter operations.

* On select filters

HOW TO READ OUR SPIN-ON FILTER LABELS

The PetroClear® spin-on filter labels provide information about diameter, height, micron rating, function and more. Reference the guide below for an explanation of label features.

The color of the label/filter communicates what kind of filter it is:



RED

Particulate Removing Only



BROWN

Water Sensing & Particulate Removing



BLUE

Phase Separation Detection "Alert" & Particulate Removing



GREEN

Phase Separation Detection & Water Sensing & Particulate Removing

The model number communicates size, micron rating, function and application information:

40530A-AD

FUNCTION

- A** = (Alert) Phase Separation Detection & Particulate Removing
- D** = (Dual Purpose) Phase Separation Detection, Water Sensing & Particulate Removing
- P** = Particulate Removing Only
- PE** = Particulate Removing Only for High-Ethanol Concentrations
- W** = Water Sensing & Particulate Removing
- DV** = Drain Valve (Petcock Style)
- PA** = Particulate Removing Agriculture
- WA** = Water Sensing & Particulate Removing Agriculture

FILTER DIAMETER
Rounded to whole number, 3.70" = 4

FILTER HEIGHT
Rounded to whole number, 5.36" = 5

MICRON RATING
(For this example) = 30

APPLICATION INFO
(Blank)* = mounting stud 1-12 UNF (3/4" flow) *Except agriculture function filters - Agriculture, mounting stud 1.375 - 12 UNF (1" flow)
- AD = Gilbarco, Wayne, Bennett, Tokheim & other high flow dispensers mounting stud 1.5-16 UNF (1" flow)

The label also includes safety, installation, performance, UL recognition and a bar code:

SAFETY INFO

INT'L SYMBOLS
For Installation

PERFORMANCE INFO

BAR CODE
Inventory Control

UL RECOGNITION
USA & Canada

WARNING / ATTENTION
FUEL SYSTEM PRESSURIZED FIRE HAZARD / SYSTÈME À COMBUSTIBLE PRESSURISÉ, RISQUE D'INCENDIE
READ AND FOLLOW ALL INSTRUCTIONS. FAILURE COULD RESULT IN FIRE, SERIOUS BODILY INJURY OR DEATH. / LIRE ET SUIVRE TOUTES LES INSTRUCTIONS, SINON IL PEUT EN RÉSULTER UN INCENDIE, DES BLESSURES GRAVES, OU LA MORT.
1. Filter unit to be installed or changed by authorized trained service personnel only. Follow Dispenser Manufacturer's procedures. / L'appareil à filtre doit être installé ou changé par un technicien de service formé autorisé seulement. Observer les marches à suivre du fabricant de distributeur.
2. NOT FOR USE WITH AVIATION FUEL. / NE PAS UTILISER AVEC DU CARBURANT D'AVIATION.
3. Used filters and fluids drained from filters must be contained and disposed of according to local regulations. Contact your nearest E.P.A. office for proper handling. / Les filtres usés et les fluides drainés des filtres doivent être contenus et jetés conformément aux règlements locaux. Communiquer avec le bureau de l'EPA visant la manipulation appropriée.

278-46237-0350
MAX. FLOW RATE: 25 GPM (151 LPM) / TAUX DE DÉBIT MAXIMUM: 25 GAL/MIN (95 L/MIN)
MAX. OPER. PRESSURE: 50 PSI (3.4 BAR) / PRESSION OPÉRATIONNELLE MAXIMALE: 3,4 BARS (50 LB/PO)
MICRON RATING: / COTE MICRON: 10
Technical Questions? / Questions techniques? 800-882-0890
Champion Laboratories Inc., 200 South Fourth St., Alton, Illinois 62806
Made in U.S.A. / Fabriqué aux E.-U.

PetroClear
ETHANOL ÉTHANOL
NOT FOR USE WITH DIESEL FUELS
NE PAS UTILISER AVEC LES CARBURANTS DIESEL
40510A-AD

Detects Phase Separation & Removes Particulates
Détection la phase de séparation et élimine les particules

HOW TO USE OUR CROSS REFERENCE TOOL

NEED HELP IDENTIFYING THE RIGHT DISPENSER FILTER OR RELATED PRODUCT FOR YOUR APPLICATION?

**USE OUR CROSS-REFERENCE TOOL
AT WWW.PETROCLEAR.COM!**

CROSS REFERENCE

Type in a part number for another manufacturer's dispenser filters in the cross-reference field and get details about a PetroClear filter with similar filter capabilities.



CROSS REFERENCE SEARCH RESULTS



405 P-AD SERIES
CIM-TEK NUMBER: 70016/400-30
PARTICULATE REMOVING

PETROCLEAR PART SEARCH

Type in a PetroClear part number to get more information about all of the filters available in the series.



PART SEARCH RESULTS



405 W-AD SERIES
PARTICULATE REMOVING
& WATER SENSING

Why Choose PetroClear?

Because PetroClear Is
THE CLEAR CHOICE.



PetroClear Spin-On Fuel Dispenser Filters Provide 6 Valuable Benefits to Fuel Site Operators, Technicians & Motorists:



SLOW FLOW INDICATOR FOR WATER

- Detects water and slows flow for neat gasoline, diesel, biodiesel and ULSD fuels



FULL COLOR CODING

- Instantly know what functions the filter performs
- Helps technicians quickly identify the correct replacement filter

**TEXTURED
PAINT**

TEXTURED PAINT

- Provides better grip for easier installation & removal
- Helps technicians avoid spills during filter changes



INTERCEPTION OF PHASE SEPARATION IN ETHANOL FUELS

- Filters' extreme restriction of flow equates to a virtual shut-off
- Filters' reactive chemical core performs quickly to prevent contaminated fuel from passing through the filter into consumer's vehicles



EXCEPTIONAL WARRANTY COVERAGE BACKED BY CHAMPION LABORATORIES

- Any filter proven defective during the engine or equipment manufacturer's recommended service intervals will be replaced at no charge
- PetroClear will ALSO cover costs to repair damaged engines or equipment for filters proven defective during recommended service intervals



DISPENSER FILTER FABRICATION YOU CAN TRUST

- All component and filter fabrication is completed in-house*
- State-of-the-art manufacturing facility is certified to IATF-16949 quality standards
- Manufacturing over 450,000 spin-on filters annually

*Excludes DEF products, rubber components and filter media

405 P

FUEL DISPENSER FILTERS 1"-12 UNF THREAD

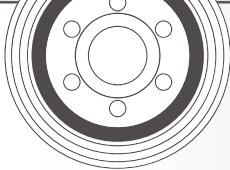


UP TO 25 GPM (94.6 LPM) MAX FLOW

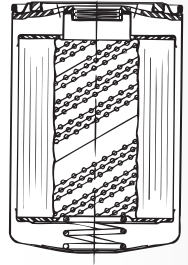
PARTICULATE REMOVING

Part Number	40502P	40505P	40510P	40530P
Media Type	Cellulose	Cellulose	Cellulose	Cellulose
Micron Rating				
Flow	3/4"	3/4"	3/4"	3/4"
Gasket Material	Buna N	Buna N	Buna N	Buna N

Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO



3.70"W



5.36"L

405 W

FUEL DISPENSER FILTERS 1"-12 UNF THREAD

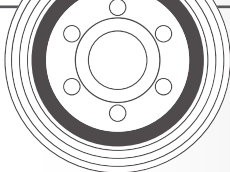


UP TO 25 GPM (94.6 LPM) MAX FLOW

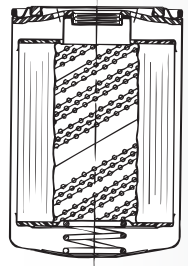
PARTICULATE REMOVING & WATER SENSING

Part Number	40510W	40530W
Media Type	Cellulose with Super Absorbent Media	Cellulose with Super Absorbent Media
Micron Rating		
Flow	3/4"	3/4"
Gasket Material	Buna N	Buna N

Fuel Compatibility: NG, D, BD, ULSD, K, FO



3.70"W



5.36"L

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

NG = Neat Gasoline E85 = E85 BD = Biodiesel EB = Ethanol Blends up to 15% SF = Synthetic Fluids
 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

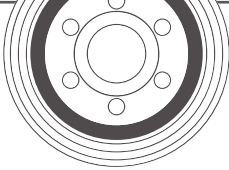


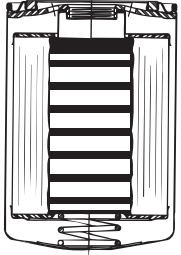


405 A

FUEL DISPENSER FILTERS 1"-12 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING & PHASE SEPARATION DETECTION

Part Number	40510A	40530A	
Media Type	Cellulose with Chemical Core	Cellulose with Chemical Core	
Micron Rating			3.70"W
Flow	3/4"	3/4"	 5.36"L
Gasket Material	Buna N	Buna N	

Fuel Compatibility: EB

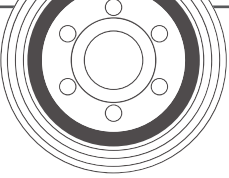


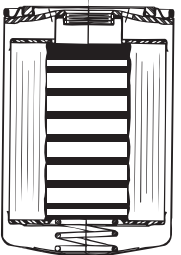


405 D

FUEL DISPENSER FILTER 1"-12 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING, PHASE SEPARATION DETECTION & WATER SENSING

Part Number	40510D	40530D	
Media Type	Cellulose with Super Absorbent Media and Chemical Core	Cellulose with Super Absorbent Media and Chemical Core	
Micron Rating			3.70"W
Flow	3/4"	3/4"	 5.36"L
Gasket Material	Buna N	Buna N	

Fuel Compatibility: NG, EB, ULSD, BD, D

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

NG = Neat Gasoline E85 = E85 BD = Biodiesel EB = Ethanol Blends up to 15% SF = Synthetic Fluids
 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF

405 P-AD

FUEL DISPENSER FILTERS 1.5"-16 UNF THREAD



UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING

Part Number	40502P-AD	40505P-AD	40510P-AD	40530P-AD	
Media Type	Cellulose	Cellulose	Cellulose	Cellulose	
Micron Rating					
Flow	1"	1"	1"	1"	
Gasket Material	Buna N	Buna N	Buna N	Buna N	
	Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO				<p>3.70"W</p> <p>5.36"L</p>

405 W-AD

FUEL DISPENSER FILTERS 1.5"-16 UNF THREAD



UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING & WATER SENSING

Part Number	40505W-AD	40510W-AD	40530W-AD	
Media Type	Cellulose with Super Absorbent Media	Cellulose with Super Absorbent Media	Cellulose with Super Absorbent Media	
Micron Rating				
Flow	1"	1"	1"	
Gasket Material	Buna N	Buna N	Buna N	
	Fuel Compatibility: NG, D, BD, ULSD, K, FO			<p>3.70"W</p> <p>5.36"L</p>

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

NG = Neat Gasoline E85 = E85 BD = Biodiesel EB = Ethanol Blends up to 15% SF = Synthetic Fluids
 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF



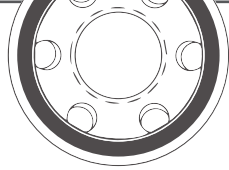
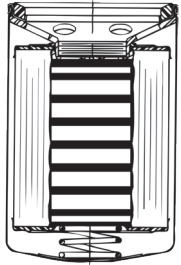


405 A-AD

FUEL DISPENSER FILTERS 1.5"-16 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING & PHASE SEPARATION DETECTION

Part Number	40510A-AD	40530A-AD	
Media Type	Cellulose with Chemical Core	Cellulose with Chemical Core	
Micron Rating			
Flow	1"	1"	3.70"W
Gasket Material	Buna N	Buna N	 5.36"L
Fuel Compatibility: EB			

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME



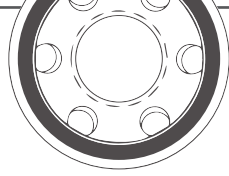
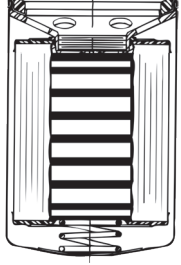


405 D-AD

FUEL DISPENSER FILTER 1.5"-16 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING, PHASE SEPARATION DETECTION & WATER SENSING

Part Number	40510D-AD	40530D-AD	
Media Type	Cellulose with Super Absorbent Media and Chemical Core	Cellulose with Super Absorbent Media and Chemical Core	
Micron Rating			
Flow	1"	1"	3.70"W
Gasket Material	Buna N	Buna N	 5.36"L
Fuel Compatibility: NG, EB, D, BD, ULSD			

REPLACEMENT ELEMENTS

ACCESSORIES

FUEL COMPATIBILITY LEGEND:

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 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

DEF

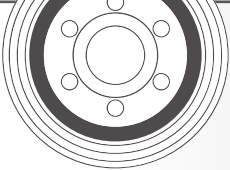
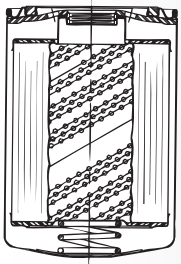

405 PE

FUEL DISPENSER FILTER 1"-12 UNF THREAD



UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING FOR HIGH ETHANOL CONCENTRATIONS

Part Number	40510PE		 <p>3.70"W</p>  <p>5.36"L</p>
Media Type	Cellulose		
Micron Rating			
Flow	3/4"		
Gasket Material	Buna N		

Fuel Compatibility: NG, EB, E85, D, BD, ULSD, K, FO

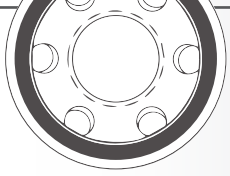
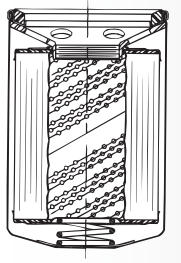

405 PE-AD

FUEL DISPENSER 1.5"-16 UNF THREAD



UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING FOR HIGH ETHANOL CONCENTRATIONS

Part Number	40510PE-AD		 <p>3.70"W</p>  <p>5.36"L</p>
Media Type	Cellulose		
Micron Rating			
Flow	1"		
Gasket Material	Buna N		

Fuel Compatibility: NG, EB, E85, D, BD, ULSD, K, FO

FUEL COMPATIBILITY LEGEND:

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FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF

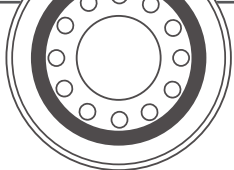
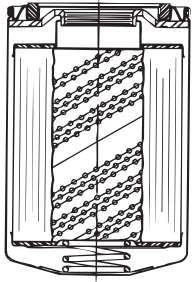




405 PA

AGRICULTURE FILTERS 1.375"-12 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING

Part Number	40510PA	40530PA	
Media Type	Cellulose	Cellulose	 3.70"W  5.36"L
Micron Rating			
Flow	1"	1"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO			

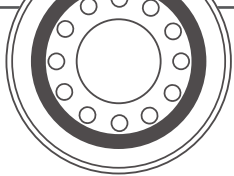
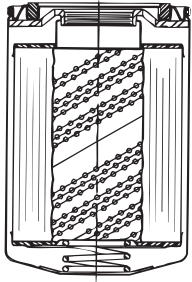




405 WA

AGRICULTURE FILTERS 1.375"-12 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING & WATER SENSING

Part Number	40510WA	40530WA	
Media Type	Cellulose with Super Absorbent Media	Cellulose with Super Absorbent Media	 3.70"W  5.36"L
Micron Rating			
Flow	1"	1"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, D BD, ULSD, K, FO			

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

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 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF

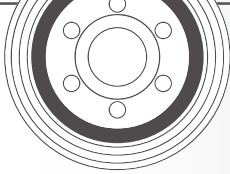
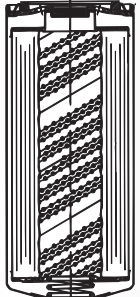


409 P

FUEL DISPENSER FILTERS 1"-12 UNF THREAD



UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING — EXTENDED LIFE

Part Number	40910P	40930P	
Media Type	Cellulose	Cellulose	 3.70"W  8.60"L
Micron Rating			
Flow	3/4"	3/4"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO			

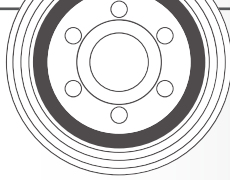
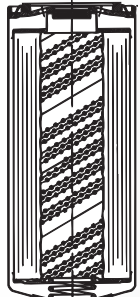


409 W

FUEL DISPENSER FILTERS 1"-12 UNF THREAD



UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING & WATER SENSING — EXTENDED LIFE

Part Number	40910W	40930W	
Media Type	Cellulose with Super Absorbent Media	Cellulose with Super Absorbent Media	 3.70"W  8.60"L
Micron Rating			
Flow	3/4"	3/4"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, D, BD, ULSD, K, FO			

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

NG = Neat Gasoline E85 = E85 BD = Biodiesel EB = Ethanol Blends up to 15% SF = Synthetic Fluids
 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF



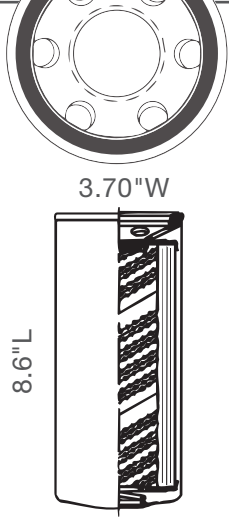


409 P-AD

FUEL DISPENSER FILTERS 1.5"-16 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING — EXTENDED LIFE

Part Number	40910P-AD	40930P-AD	
Media Type	Cellulose	Cellulose	
Micron Rating			
Flow	1"	1"	
Gasket Material	Buna N	Buna N	
	Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO		



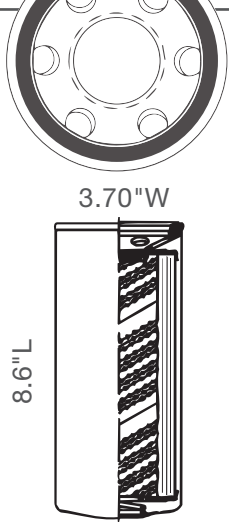


409 W-AD

FUEL DISPENSER FILTERS 1.5"-16 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING & WATER SENSING — EXTENDED LIFE

Part Number	40910W-AD	40930W-AD	
Media Type	Cellulose with Super Absorbent Media	Cellulose with Super Absorbent Media	
Micron Rating			
Flow	1"	1"	
Gasket Material	Buna N	Buna N	
	Fuel Compatibility: NG, D, BD, ULSD, K, FO		

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

NG = Neat Gasoline E85 = E85 BD = Biodiesel EB = Ethanol Blends up to 15% SF = Synthetic Fluids
 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF

409 PA

AGRICULTURE FILTERS 1.375"-12 UNF THREAD



UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING — EXTENDED LIFE

Part Number	40910PA	40930PA	
Media Type	Cellulose	Cellulose	
Micron Rating			
Flow	1"	1"	
Gasket Material	Buna N	Buna N	
	Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO		<p>3.70"W</p> <p>8.60"L</p>

409 WA

AGRICULTURE FILTERS 1.375"-12 UNF THREAD



UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING & WATER SENSING — EXTENDED LIFE

Part Number	40910WA	40930WA	
Media Type	Cellulose with Super Absorbent Media	Cellulose with Super Absorbent Media	
Micron Rating			
Flow	1"	1"	
Gasket Material	Buna N	Buna N	
	Fuel Compatibility: NG, D, BD, ULSD, K, FO		<p>3.70"W</p> <p>8.60"L</p>

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

NG = Neat Gasoline E85 = E85 BD = Biodiesel EB = Ethanol Blends up to 15% SF = Synthetic Fluids
 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF

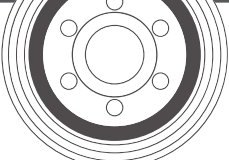
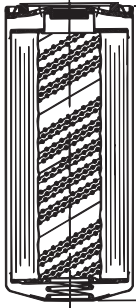




411 P

FUEL DISPENSER FILTERS 1"-12 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING — EXTENDED LIFE

Part Number	41110P	41130P	
Media Type	Cellulose	Cellulose	 3.70"W  10.5"L
Micron Rating			
Flow	3/4"	3/4"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO			

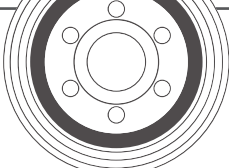
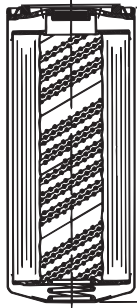




411 W

FUEL DISPENSER FILTERS 1"-12 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING & WATER SENSING — EXTENDED LIFE

Part Number	41110W	41130W	
Media Type	Cellulose with Super Absorbent Media	Cellulose with Super Absorbent Media	 3.70"W  10.5"L
Micron Rating			
Flow	3/4"	3/4"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, D, BD, ULSD, K, FO			

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

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 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF



411 A

FUEL DISPENSER FILTERS 1"-12 UNF THREAD

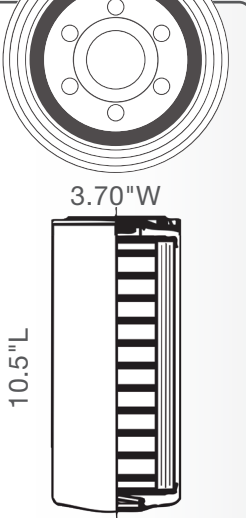


UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING & PHASE SEPARATION DETECTION — EXTENDED LIFE

Part Number	41110A	41130A
Media Type	Cellulose with Chemical Core	Cellulose with Chemical Core
Micron Rating		
Flow	3/4"	3/4"
Gasket Material	Buna N	Buna N

Fuel Compatibility: EB



3.70"W
10.5"L

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

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K = Kerosene	D = Diesel	ULSD = Ultra Low Sulfur Diesel	FO = Fuel Oils	



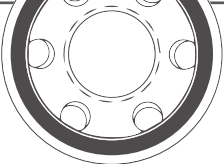
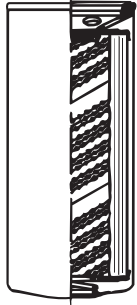


411 P-AD

FUEL DISPENSER FILTERS 1.5"-16 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING — EXTENDED LIFE

Part Number	41110P-AD	41130P-AD	
Media Type	Cellulose	Cellulose	
Micron Rating			
Flow	1"	1"	3.70"W
Gasket Material	Buna N	Buna N	 10.5"L
Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO			

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME



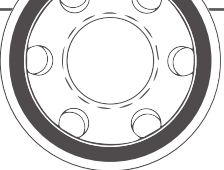
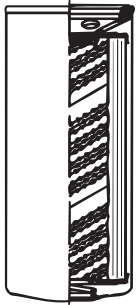


411 W-AD

FUEL DISPENSER FILTERS 1.5"-16 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING & WATER SENSING — EXTENDED LIFE

Part Number	41110W-AD	41130W-AD	
Media Type	Cellulose with Super Absorbent Media	Cellulose with Super Absorbent Media	
Micron Rating			
Flow	1"	1"	3.70"W
Gasket Material	Buna N	Buna N	 10.5"L
Fuel Compatibility: NG, D, BD, ULSD, K, FO			

REPLACEMENT ELEMENTS

ACCESSORIES

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

NG = Neat Gasoline E85 = E85 BD = Biodiesel EB = Ethanol Blends up to 15% SF = Synthetic Fluids
 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

DEF



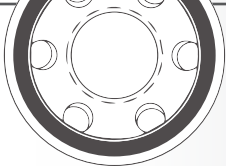
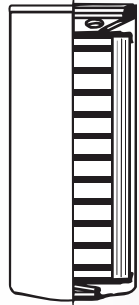
411 A-AD

FUEL DISPENSER FILTERS 1.5"-16 UNF THREAD



UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING & PHASE SEPARATION DETECTION — EXTENDED LIFE

Part Number	41110A-AD	41130A-AD	
Media Type	Cellulose with Chemical Core	Cellulose with Chemical Core	
Micron Rating			
Flow	1"	1"	3.70"W
Gasket Material	Buna N	Buna N	10.5"L
Fuel Compatibility: EB			
			

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF

FUEL COMPATIBILITY LEGEND:

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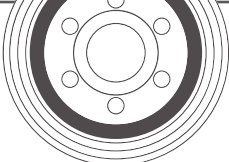
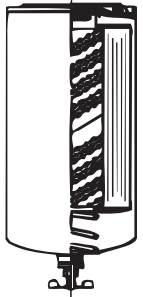




408 P-DV

HIGH VOLUME FILTERS 1"-12 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING — WITH DRAIN VALVE

Part Number	40810P-DV	40830P-DV	
Media Type	Cellulose	Cellulose	 3.70"W  6.87"L
Micron Rating			
Flow	3/4"	3/4"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO			

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME


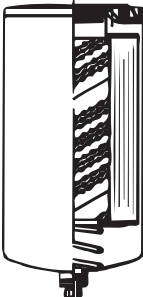




408 PA-DV

HIGH VOLUME FILTERS 1.375"-12 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING — WITH DRAIN VALVE

Part Number	40810PA-DV	40830PA-DV	
Media Type	Cellulose	Cellulose	 3.70"W  6.87"L
Micron Rating			
Flow	1"	1"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO			

REPLACEMENT ELEMENTS

ACCESSORIES

DEF

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

NG = Neat Gasoline E85 = E85 BD = Biodiesel EB = Ethanol Blends up to 15% SF = Synthetic Fluids
 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils



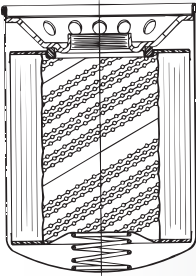
507 P

HIGH VOLUME FILTER 1.5"-16 UNF THREAD



UP TO 40 GPM (151 LPM) MAX FLOW

PARTICULATE REMOVING

Part Number	50710P	
Media Type	Cellulose	
Micron Rating		5.0"W
Flow	1"	
Gasket Material	Buna N	

Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO, LO, SF



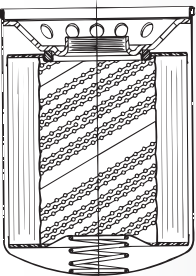
507 W

HIGH VOLUME FILTER 1.5"-16 THREAD



UP TO 40 GPM (151 LPM) MAX FLOW

PARTICULATE REMOVING & WATER SENSING

Part Number	50710W	
Media Type	Cellulose with Super Absorbent Media	
Micron Rating		5.0"W
Flow	1"	
Gasket Material	Buna N	

Fuel Compatibility: NG, D, BD, ULSD, K, FO, LO, SF

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

NG = Neat Gasoline	E85 = E85	BD = Biodiesel	EB = Ethanol Blends up to 15%	SF = Synthetic Fluids
K = Kerosene	D = Diesel	ULSD = Ultra Low Sulfur Diesel	FO = Fuel Oils	




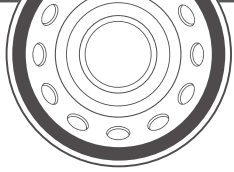
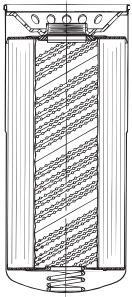


511 P

HIGH VOLUME FILTERS 1.5"-16 UNF THREAD

UP TO 40 GPM (151 LPM) MAX FLOW

PARTICULATE REMOVING

Part Number	51103P	51110P	51130P	
Media Type	Cellulose	Cellulose	Cellulose	
Micron Rating				
Flow	1"	1"	1"	5.0"W
Gasket Material	Buna N	Buna N	Buna N	 11.37"L
Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO, LO, SF				

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME



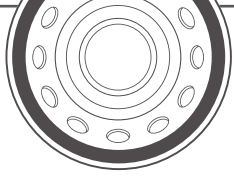
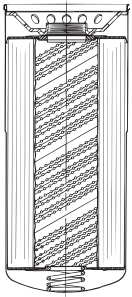


511 W

HIGH VOLUME FILTERS 1.5"-16 UNF THREAD

UP TO 40 GPM (151 LPM) MAX FLOW

PARTICULATE REMOVING & WATER SENSING

Part Number	51110W	51130W		
Media Type	Cellulose with Super Absorbent Media	Cellulose with Super Absorbent Media		
Micron Rating				
Flow	1"	1"	5.0"W	
Gasket Material	Buna N	Buna N	 11.37"L	
Fuel Compatibility: NG, D, BD, ULSD, K, FO, LO, SF				

REPLACEMENT ELEMENTS

ACCESSORIES

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

NG = Neat Gasoline E85 = E85 BD = Biodiesel EB = Ethanol Blends up to 15% SF = Synthetic Fluids
 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

DEF

511 A

HIGH VOLUME FILTER 1.5"-16 UNF THREAD



UP TO 40 GPM (151 LPM) MAX FLOW

PARTICULATE REMOVING & PHASE SEPARATION DETECTION

Part Number	51110A	
Media Type	Cellulose with Chemical Core	
Micron Rating		
Flow	1"	
Gasket Material	Buna N	

Fuel Compatibility: EB

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF

FUEL COMPATIBILITY LEGEND:

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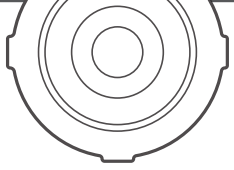


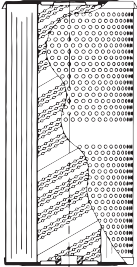


PCP-E

REPLACEMENT FILTER ELEMENTS

UP TO 30 GPM (114 LPM) MAX FLOW

PARTICULATE REMOVING

Part Number	PCP-E10	PCP-E30	
Function	Fits Cim-Tek® Centurion Series housings and other brands with a 5" x 9" element.		
Media Type	Cellulose	Cellulose	4.50"W
Micron Rating			
Gasket Material	Buna N	Buna N	9.25" L

Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO, LO, SF

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

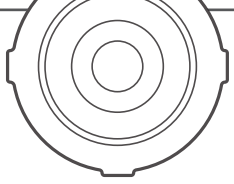


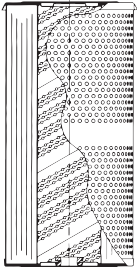


PCW-E

REPLACEMENT FILTER ELEMENTS

UP TO 30 GPM (114 LPM) MAX FLOW

PARTICULATE REMOVING & WATER SENSING

Part Number	PCW-E10	PCW-E30	
Function	Fits Cim-Tek® Centurion Series housings and other brands with a 5" x 9" element.		
Media Type	Cellulose with Super Absorbent Media	Cellulose with Super Absorbent Media	4.50"W
Micron Rating			
Gasket Material	Buna N	Buna N	9.25" L

Fuel Compatibility: NG, D, BD, ULSD, K, FO, LO, SF

REPLACEMENT ELEMENTS

ACCESSORIES

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

NG = Neat Gasoline E85 = E85 BD = Biodiesel EB = Ethanol Blends up to 15% SF = Synthetic Fluids
 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

DEF

618 EP


REPLACEMENT FILTER ELEMENTS



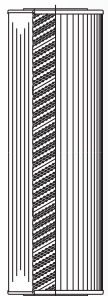
UP TO 120 GPM (405 LPM) MAX FLOW

PARTICULATE REMOVING

Part Number	61810EP		61830EP
Function	Fits the Cim-Tek®, Commercial, Cuno, Facet, Hilco, Hycon, Hytrex, Kaydon, Nugent and Peco housings and other brands with a 6" x 18" element.		
Media Type	Cellulose	Cellulose	
Micron Rating			
Gasket Material	Buna N	Buna N	



5.98" W



17.99" L

Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO, LO, SF

618 EW

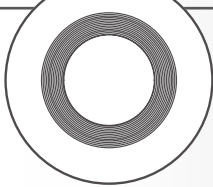
REPLACEMENT FILTER ELEMENTS



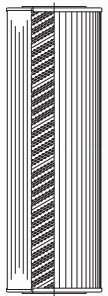
UP TO 120 GPM (405 LPM) MAX FLOW

PARTICULATE REMOVING & WATER SENSING

Part Number	61805EW	61810EW	61830EW
Function	Fits the Cim-Tek®, Commercial, Cuno, Facet, Hilco, Hycon, Hytrex, Kaydon, Nugent and Peco housings and other brands with a 6" x 18" element.		
Media Type	Cellulose with Super Absorbent Media		
Micron Rating			
Gasket Material	Buna N	Buna N	Buna N



5.98" W



17.99" L

Fuel Compatibility: NG, D, BD, ULSD, K, FO

FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

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 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils



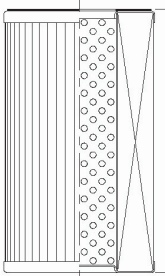
L3561F

REPLACEMENT FILTER ELEMENT



UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING

Part Number	L3561F		
Function	For use with Bennett dispensers. Replacement for A3119 and is interchangeable with Cim-Tek® 30001 (500B-30) element.		
Media Type	Cellulose		2.25"W
Micron Rating			
Gasket Material	Buna N		

Fuel Compatibility: NG, EB, D, BD, ULSD

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF

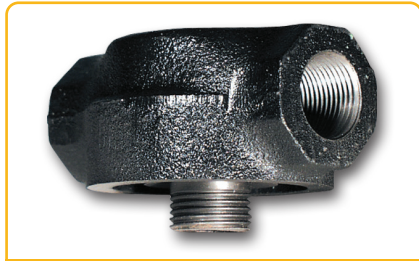
FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

NG = Neat Gasoline E85 = E85 BD = Biodiesel EB = Ethanol Blends up to 15% SF = Synthetic Fluids
 K = Kerosene D = Diesel ULSD = Ultra Low Sulfur Diesel FO = Fuel Oils

ADAPTERS

FUEL DISPENSER / AGRICULTURE

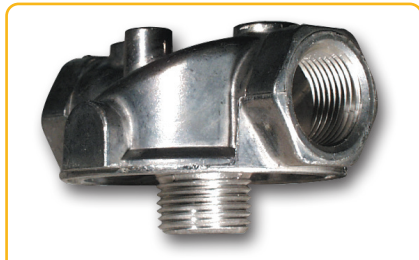


.75N1-12

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
3/4" NPT	1-12 UNF	3/4"	Cast Iron

Filter Compatibility: Fits Non-AD Filters with a 3.70" diameter			
40502/5/10/30P	40510/30A	40510/30W	40910/30P
40510PE	40510D	40810/30P-DV	40910/30W

HIGH VOLUME

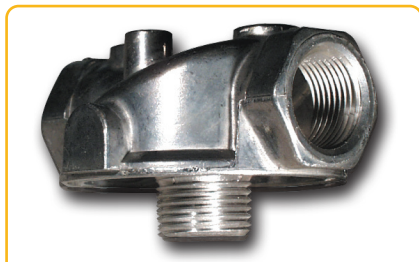


.75N1-12A

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
3/4" NPT	1-12 UNF	3/4"	Aluminum

Filter Compatibility: Fits Non-AD Filters with a 3.70" diameter			
40502/5/10/30P	40510/30A	40510/30W	40910/30P
40510PE	40510D	40810/30P-DV	40910/30W

REPLACEMENT ELEMENTS

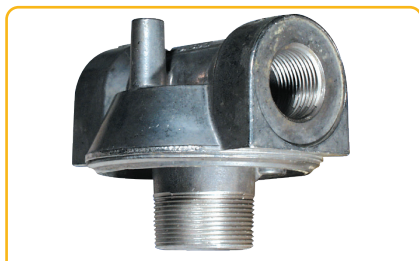


.75B1-12

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
3/4" BSP	1-12 UNF	3/4"	Aluminum

Filter Compatibility: Fits Non-AD Filters with a 3.70" diameter			
40502/5/10/30P	40510/30A	40510/30W	40910/30P
40510PE	40510D	40810/30P-DV	40910/30W

ACCESSORIES



.75N1.5-16AD

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
3/4" NPT	1.5-16 UNF	1"	Aluminum

Filter Compatibility: Fits AD filters only with a 3.70" diameter			
40502/5/10/30P-AD	40510/30A-AD	40505/10/30W-AD	40910/30W-AD
40510PE-AD	40510D-AD	40910/30P-AD	

DEF

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
3/4" BSP	1.5-16 UNF	1"	Aluminum

Filter Compatibility: Fits AD filters only with a 3.70" diameter			
40502/5/10/30P-AD	40510/30A-AD	40505/10/30W-AD	40910/30W-AD
40510PE-AD	40510D-AD	40910/30P-AD	



.75B1.5-16AD

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
1" NPT	1-12 UNF	3/4"	Cast Iron

Filter Compatibility: Fits Non-AD Filters with a 3.70" diameter			
40502/5/10/30P	40510/30A	40510/30W	40910/30P
40510PE	40510D	40810/30P-DV	40910/30W



1.0N1-12

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
1" NPT	1-12 UNF	3/4"	Aluminum

Filter Compatibility: Fits Non-AD Filters with a 3.70" diameter			
40502/10/30P	40510/30A	40510/30W	40910/30P
40510PE	40510D	40810/30P-DV	40910/30W



1.0N1-12A

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
1" BSP	1-12 UNF	3/4"	Aluminum

Filter Compatibility: Fits Non-AD Filters with a 3.70" diameter			
40502/5/10/30P	40510/30A	40510/30W	40910/30P
40510PE	40510D	40810/30P-DV	40910/30W



1.0B1-12

ADAPTERS

FUEL DISPENSER / AGRICULTURE



1.0N1 3/8-12

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
1" NPT	1.375-12 UNF	1"	Cast Iron

Filter Compatibility: Fits WA and PA Filters		
40510/30PA	40810/30PA-DV	40910/30WA
40510/30WA	40910/30PA	

HIGH VOLUME

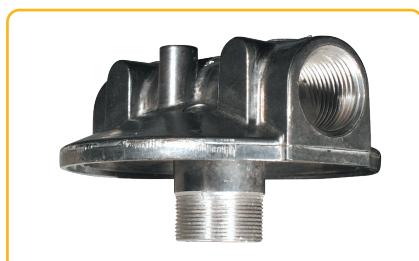


1.0N1.5-16

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
1" NPT	1.5-16 UNF	1"	Aluminum

Filter Compatibility: Fits Non-AD filters with a 5" diameter		
50710P	51103/10/30P	51110A
50710W	51110/30W	

REPLACEMENT ELEMENTS



1.0B1.5-16

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
1" BSP	1.5-16 UNF	1"	Aluminum

Filter Compatibility: Fits Non-AD filters only with a 5" diameter		
50710P	51103/10/30P	51110A
50710W	51110/30W	

ACCESSORIES



1.0N1.5-16AD

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
1" NPT	1.5-16 UNF	1"	Aluminum

Filter Compatibility: Fits AD filters only with a 3.70" diameter; will not fit 5" diameter filters			
40502/05/10/30P-AD	40510/30A-AD	40505/10/30W-AD	40910/30W-AD
40510PE-AD	40510D-AD	40910/30P-AD	

DEF

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
1" BSP	1.5-16 UNF	1"	Aluminum

Filter Compatibility: Fits AD filters only with a 3.70" diameter; will not fit 5" diameter filters			
40502/05/10/30P-AD	40510/30A-AD	40505/10/30W-AD	40910/30W-AD
40510PE-AD	40510D-AD	40910/30P-AD	



Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
1 1/4" NPT	1.5-16 UNF	1"	Aluminum

Filter Compatibility: Fits Non-AD Filters with a 5" diameter			
50710P	51103/10/30P	51110A	
50710W	51110/30W		



Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
1 1/2" NPT	1.5-16 UNF	1"	Aluminum

Filter Compatibility: Fits Non-AD Filters with a 5" diameter			
50710P	51103/10/30P	51110A	
50710W	51110/30W		



Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
1.5" BSP	1.5-16 UNF	1"	Aluminum

Filter Compatibility: Fits Non-AD Filters with a 5" diameter			
50710P	51103/10/30P	51110A	
50710W	51110/30W		



ADAPTERS

FUEL DISPENSER / AGRICULTURE

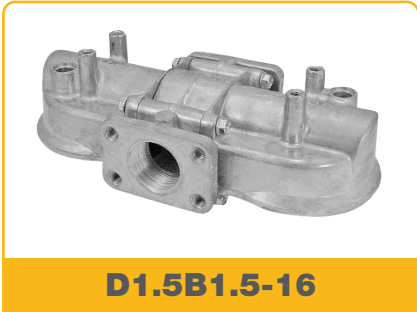


D2.0N1.5-16

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
2" NPT	1.5-16 UNF	1"	Aluminum

Filter Compatibility: Fits Non-AD Filters with a 5" diameter			
50710P	51103/10/30P	51110A	
50710W	51110/30W		

HIGH VOLUME



D1.5B1.5-16

Inlet/Outlet Threads	Filter Mounting Stud Thread	Flow	Material
1.5" BSP	1.5-16 UNF	1"	Aluminum

Filter Compatibility: Fits Non-AD Filters with a 5" diameter			
50710P	51103/10/30P	51110A	
50710W	51110/30W		

REPLACEMENT ELEMENTS

ADAPTER TEST CAP

ACCESSORIES



TC 1-12

Filter Mounting Stud Thread	Flow
1-12 UNF	3/4"



TC1.5-16-AD

Filter Mounting Stud Thread	Flow
1.5-16 UNF	1"

- Designed to be installed on the Adapter base in place of a spin-on filter on a fuel dispenser
- The Test Cap allows service technicians to test and calibrate dispensers without the restriction or cost of a filter
- Welded 1" Hex Nut on the dome end of the Test Cap aids in both installation and removal
- Designed for a maximum operating pressure of 100 psi

DEF

TANK VENT CAP AND BASE



TV-2

Fill Cap Base Fits Standard
2" NPT Threaded Hole

- Maintains a constant tank pressure reducing evaporation loss
- Reduces contamination intake
- Prevents over-expansion and contraction of the tank
- For aboveground storage and transfer tanks for assorted gasolines and diesels and small lubricant and non-pressurized hydraulic reservoirs



TV-RC-2

Replacement Cap

- This replacement cap fits the TV-2 base (shown above) and is purchased separately

FILTER CUTTER



FC 1 HD

- Easily cuts through spin-on filter shell housings to expose the filter element for inspection
- Rollers make it easy to turn the filter
- Constructed of heavy-duty aircraft quality aluminum and composite materials
- Cutter's design ensures a straight cut
- Cutting wheels are made of hardened and tempered steel
- Lightweight, compact and easy to use

DEF FILTRATION

FUEL DISPENSER / AGRICULTURE



DEF-E5 and DEF E-10

Diesel Exhaust Fluid
Dispenser Filter Cartridge

- Filters urea crystals and other contaminants to prevent them from reaching vehicle's on-board DEF filter
- Helps prevent Selective Catalytic Reduction systems from malfunctioning and extends the life of on-board DEF filters
- DEF-E5 Diesel Exhaust Fluid Filter Element offers efficient 5 micron (absolute) particulate removal
- DEF-E10 Diesel Exhaust Fluid Filter Element offers efficient 10 micron (absolute) particulate removal
- 5.6 square feet of media surface area provides high throughput and particle retention

HIGH VOLUME

DEF HOUSING



**DEF-HSS1.0N and
DEF-HSS1.0B**

Diesel Exhaust Fluid
Dispenser Filter Housing

- Features heavy-duty 316L stainless steel construction for maximum durability
- Housing's ring nut closure facilitates quick cartridge changeouts
- Available in 1" NPT (PetroClear model DEF-HSS1.0N) and 1" BSPT (PetroClear model DEF-HSS1.0B) inlet/outlet connections
- Spring-loaded knife edge seal provides positive sealing for filter element (element sold separately)
- Includes mounting bracket kit and wrench

REPLACEMENT ELEMENTS

ACCESSORIES

DEF



THE CLEAR CHOICE

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.

