



## Quick Reference Guide to PetroClear®

Filters, Elements, Adapters & More





## **COMPANY BACKGROUND**

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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**

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### **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  
Fax: (618) 445-5215  
E-mail: [jennifer.brakie@champlabs.com](mailto:jennifer.brakie@champlabs.com)

### **Business Development Manager**

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Kingwood, TX 77345  
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E-mail: [dwight.rutledge@champlabs.com](mailto: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.



## 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**

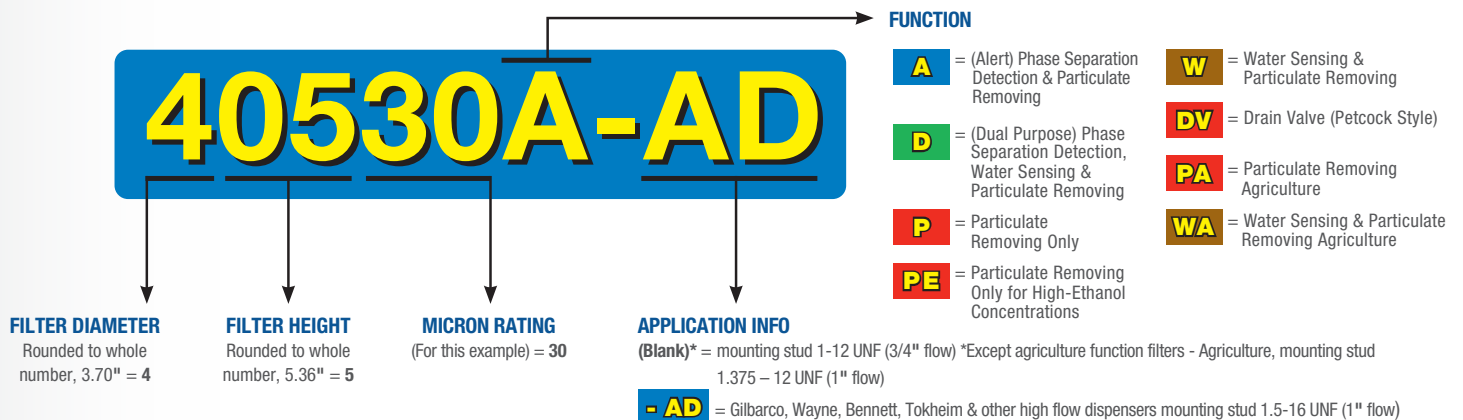
Phase Separation Detection "Alert" & Particulate Removing



**GREEN**

Phase Separation Detection & Water Sensing & Particulate Removing

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



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



## HOW TO USE OUR CROSS REFERENCE TOOL

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

**USE OUR CROSS-REFERENCE TOOL  
AT [WWW.PETROCLEAR.COM](http://WWW.PETROCLEAR.COM)!**

### CROSS REFERENCE

70016

SUBMIT

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

40510W-AD

SUBMIT

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

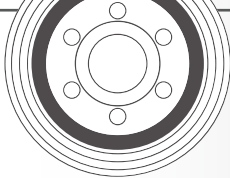


UP TO 25 GPM (94.6 LPM) MAX FLOW

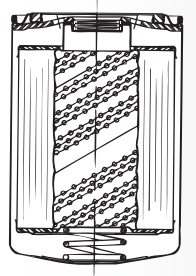
**PARTICULATE REMOVING**

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

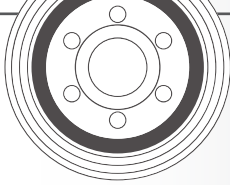


UP TO 25 GPM (94.6 LPM) MAX FLOW

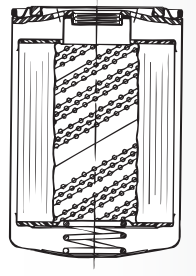
**PARTICULATE REMOVING & WATER SENSING**

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

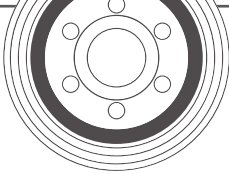
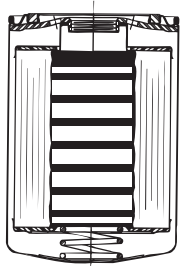




# 405 A

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	 3.70"W  5.36"L
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			

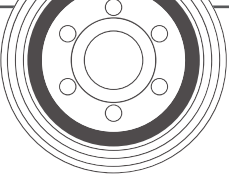
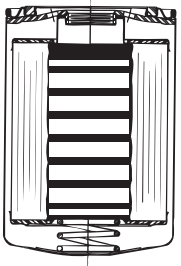




# 405 D

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	 3.70"W  5.36"L
Media Type	Cellulose with Super Absorbent Media and Chemical Core	Cellulose with Super Absorbent Media and Chemical Core	
Micron Rating			
Flow	3/4"	3/4"	
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





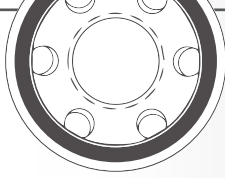
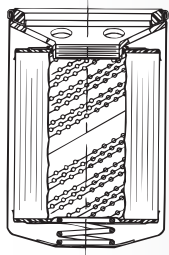
# 405 P-AD

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"	3.70"W
Gasket Material	Buna N	Buna N	Buna N	Buna N	

5.36" L

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




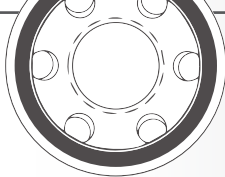
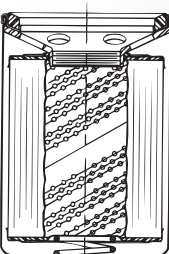
# 405 W-AD

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"	3.70"W
Gasket Material	Buna N	Buna N	Buna N	

5.36" L

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

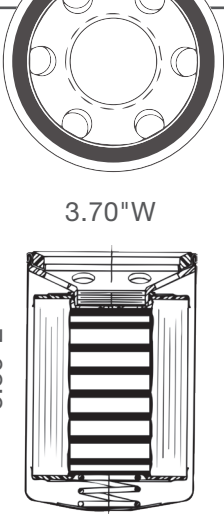




# 405 A-AD

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"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: EB			

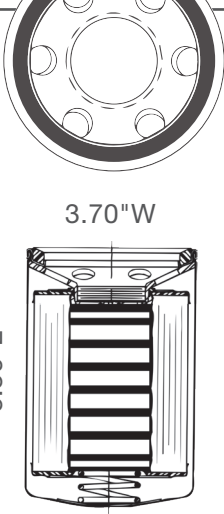




# 405 D-AD

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"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, EB, D, BD, ULSD			

### FUEL COMPATIBILITY LEGEND:

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FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF

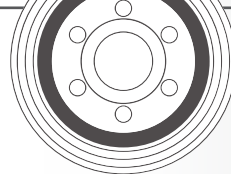
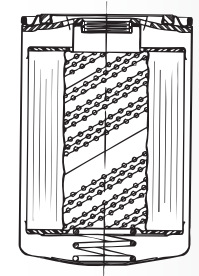

# 405 PE

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		 3.70"W  5.36"L
Media Type	Cellulose		
Micron Rating			
Flow	3/4"		
Gasket Material	Buna N		
Fuel Compatibility: NG, EB, E85, D, BD, ULSD, K, FO			

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

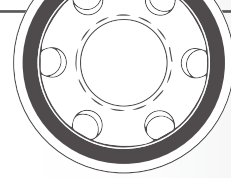
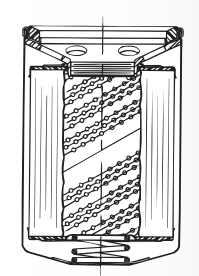

# 405 PE-AD

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		 3.70"W  5.36"L
Media Type	Cellulose		
Micron Rating			
Flow	1"		
Gasket Material	Buna N		
Fuel Compatibility: NG, EB, E85, D, BD, ULSD, K, FO			

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

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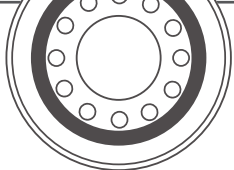
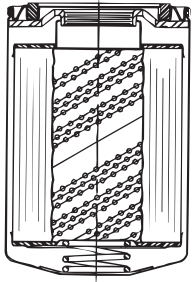




# 405 PA

AGRICULTURE FILTERS 1.375"-12 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

## PARTICULATE REMOVING

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

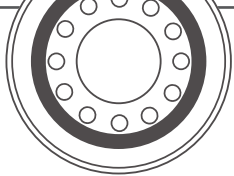
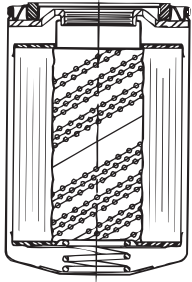




# 405 WA

AGRICULTURE FILTERS 1.375"-12 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

## PARTICULATE REMOVING & WATER SENSING

Part Number	40510WA	40530WA	 3.70"W  5.36"L
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

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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


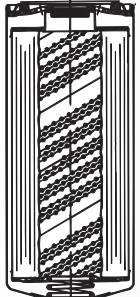


# 409 P

FUEL DISPENSER FILTERS 1"-12 UNF THREAD



UP TO 25 GPM (94.6 LPM) MAX FLOW

## PARTICULATE REMOVING — EXTENDED LIFE

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


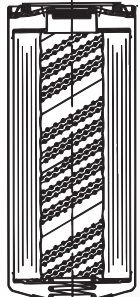


# 409 W

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	 3.70"W  8.60"L
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			

### FUEL COMPATIBILITY LEGEND:

NOT FOR USE WITH AVIATION APPLICATIONS

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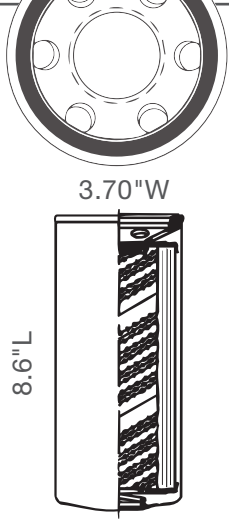




# 409 P-AD

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			

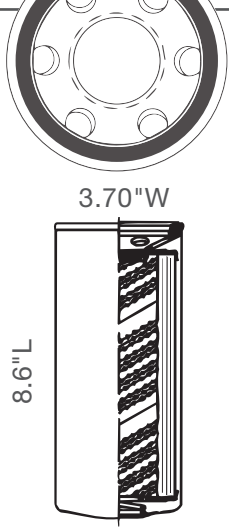




# 409 W-AD

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

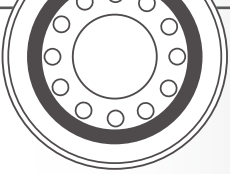
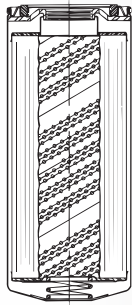


# 409 PA

AGRICULTURE FILTERS 1.375"-12 UNF THREAD



UP TO 25 GPM (94.6 LPM) MAX FLOW

## PARTICULATE REMOVING — EXTENDED LIFE

Part Number	40910PA	40930PA	 3.70"W  8.60"L
Media Type	Cellulose	Cellulose	
Micron Rating			
Flow	1"	1"	
Gasket Material	Buna N	Buna N	

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

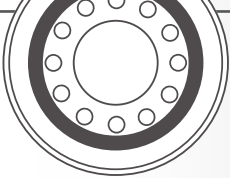
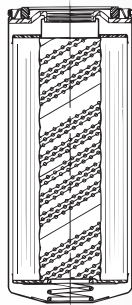


# 409 WA

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	 3.70"W  8.60"L
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

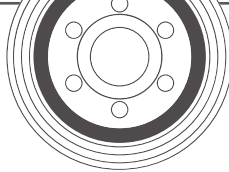
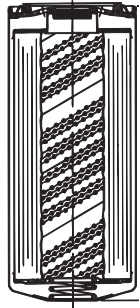




# 411 P

FUEL DISPENSER FILTERS 1"-12 UNF THREAD

UP TO 25 GPM (94.6 LPM) MAX FLOW

## PARTICULATE REMOVING — EXTENDED LIFE

Part Number	41110P	41130P	 3.70"W  10.48"L
Media Type	Cellulose	Cellulose	
Micron Rating			
Flow	3/4"	3/4"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO			

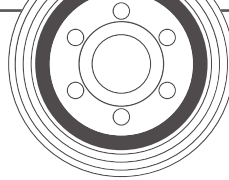
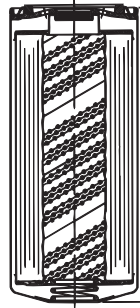




# 411 W

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	 3.70"W  10.48"L
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			

### 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

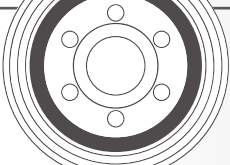
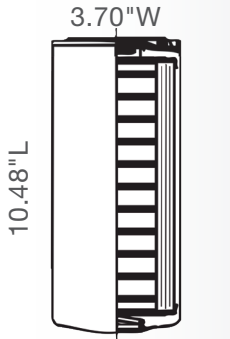


# 411 A

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			

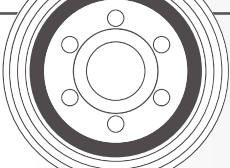
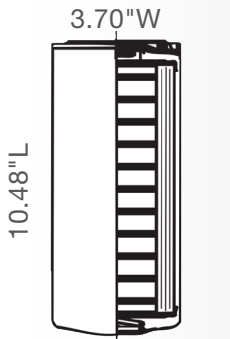


# 411 D

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	41110D	41130D	 
Media Type	Cellulose with Super Absorbent Media and Chemical Core	Cellulose with Super Absorbent Media and Chemical Core	
Micron Rating			
Flow	3/4"	3/4"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, EB, D, BD, ULSD			

**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

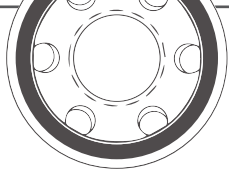
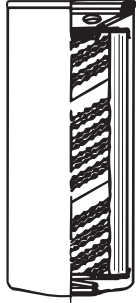




# 411 P-AD

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	 3.70"W  10.48"L
Media Type	Cellulose	Cellulose	
Micron Rating			
Flow	1"	1"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO			

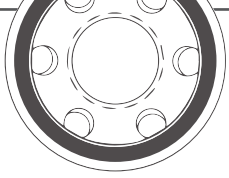
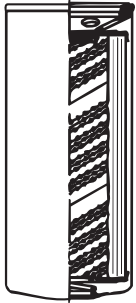




# 411 W-AD

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	 3.70"W  10.48"L
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

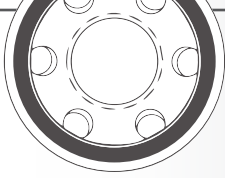


# 411 A-AD

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	 3.70"W 10.48"L
Media Type	Cellulose with Chemical Core	Cellulose with Chemical Core	
Micron Rating			
Flow	1"	1"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: EB			

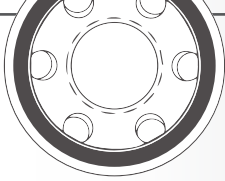


# 411 D-AD

FUEL DISPENSER FILTERS 1.5"-16 UNF THREAD



UP TO 25 GPM (94.6 LPM) MAX FLOW

## PARTICULATE REMOVING, PHASE SEPARATION DETECTION & WATER SENSING — EXTENDED LIFE

Part Number	41110A-AD	41130A-AD	 3.70"W 10.48"L
Media Type	Cellulose with Super Absorbent Media and Chemical Core	Cellulose with Super Absorbent Media and Chemical Core	
Micron Rating			
Flow	1"	1"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, EB, D, BD, ULSD			

### 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

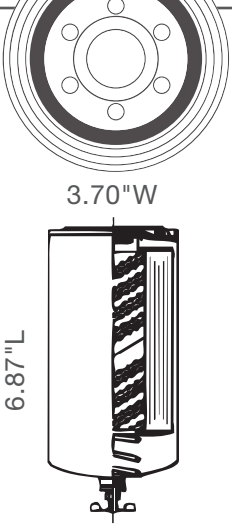




# 408 P-DV

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	
Micron Rating			
Flow	3/4"	3/4"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO			

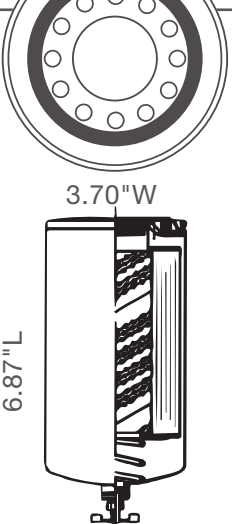




# 408 PA-DV

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	
Micron Rating			
Flow	1"	1"	
Gasket Material	Buna N	Buna N	
Fuel Compatibility: NG, EB, 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

# 507 P

HIGH VOLUME FILTER 1.5"-16 UNF THREAD



UP TO 40 GPM (151 LPM) MAX FLOW

**PARTICULATE REMOVING**

Part Number	<b>50710P</b>	 5.0"W  6.87"L
Media Type	Cellulose	
Micron Rating		
Flow	1"	
Gasket Material	Buna N	

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


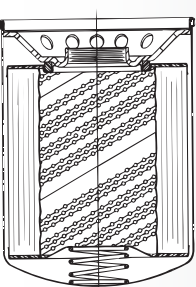

# 507 W

HIGH VOLUME FILTER 1.5"-16 THREAD



UP TO 40 GPM (151 LPM) MAX FLOW

**PARTICULATE REMOVING & WATER SENSING**

Part Number	<b>50710W</b>	 5.0"W  6.87"L
Media Type	Cellulose with Super Absorbent Media	
Micron Rating		
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

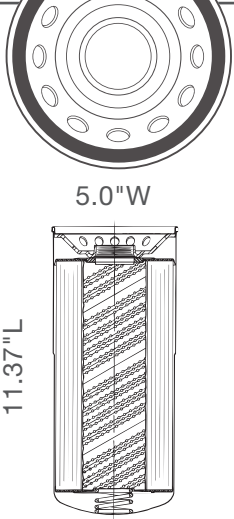





# 511 P

HIGH VOLUME FILTERS 1.5"-16 UNF THREAD

UP TO 40 GPM (151 LPM) MAX FLOW

## PARTICULATE REMOVING

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

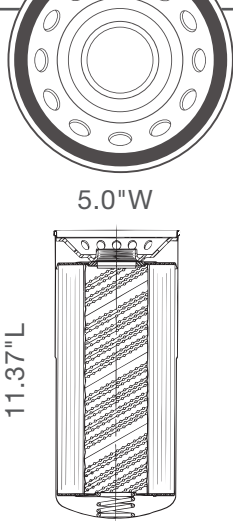




# 511 W

HIGH VOLUME FILTERS 1.5"-16 UNF THREAD

UP TO 40 GPM (151 LPM) MAX FLOW

## PARTICULATE REMOVING & WATER SENSING

Part Number	51110W		51130W		 5.0"W 11.37"L
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, 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

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF


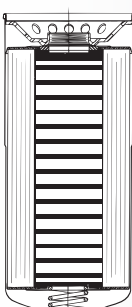

# 511 A

HIGH VOLUME FILTER 1.5"-16 UNF THREAD



UP TO 40 GPM (151 LPM) MAX FLOW

**PARTICULATE REMOVING & PHASE SEPARATION DETECTION**

Part Number	51110A		 5.0"W  11.37"L
Media Type	Cellulose with Chemical Core		
Micron Rating			
Flow	1"		
Gasket Material	Buna N		
Fuel Compatibility: EB			

Fuel Compatibility: EB

**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



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



# 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		
Micron Rating				
Gasket Material	Buna N	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

FUEL DISPENSER / AGRICULTURE

HIGH VOLUME

REPLACEMENT ELEMENTS

ACCESSORIES

DEF

# 618 EP

REPLACEMENT FILTER ELEMENTS



UP TO 120 GPM (405 LPM) MAX FLOW

## PARTICULATE REMOVING

Part Number	61810EP		61830EP	 5.98"W  17.99"L
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		
Fuel Compatibility: NG, EB, D, BD, ULSD, K, FO, LO, SF				

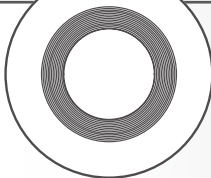



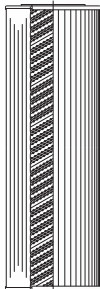
# 618 EW

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				5.98"W
Gasket Material	Buna N	Buna N	Buna N	
	17.99"L			
	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


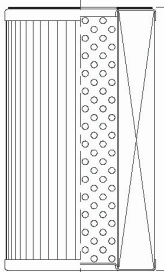

# L3561F

REPLACEMENT FILTER ELEMENT



UP TO 25 GPM (94.6 LPM) MAX FLOW

PARTICULATE REMOVING

Part Number	L3561F		 2.25"W  3.97"L
Function	For use with Bennett dispensers. Replacement for A3119 and is interchangeable with Cim-Tek® 30001 (500B-30) element.		
Media Type	Cellulose		
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



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
41110/30P	41110/30W	41110/30A	41110/30D

HIGH VOLUME



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
41110/30P	41110/30W	41110/30A	41110/30D

REPLACEMENT ELEMENTS



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
41110/30P	41110/30W	41110/30A	41110/30D

ACCESSORIES



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

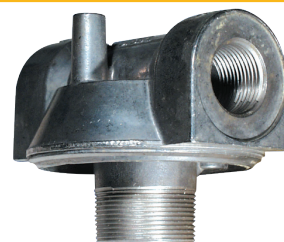
Filter Compatibility: Fits AD filters only with a 3.70" diameter			
40502/5/10/30P-AD	40510/30A-AD	40505/10/30W-AD	40910/30W-AD
40510PE-AD	40510D-AD	40910/30P-AD	41110/30P-AD
41110/30W-AD	41110/30A-AD	41110/30D-AD	

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	41110/30P-AD
41110/30W-AD	41110/30A-AD	41110/30D-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
41110/30P	41110/30W	41110/30A	41110/30D

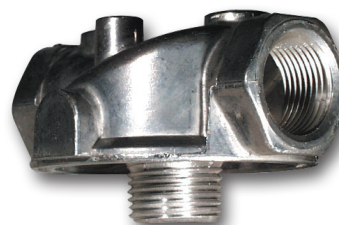


**1.0N1-12**

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
41110/30P	41110/30W	41110/30A	41110/30D

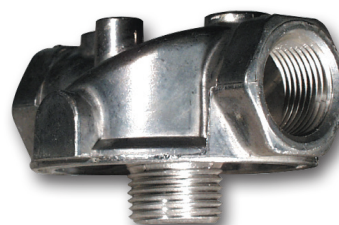


**1.0N1-12A**

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
41110/30P	41110/30W	41110/30A	41110/30D



**1.0B1-12**

# ADAPTERS

FUEL DISPENSER / AGRICULTURE



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



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



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



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

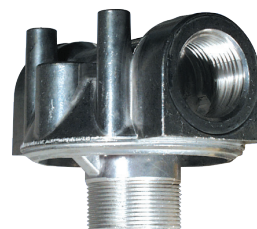
Filter Compatibility: Fits AD filters only with a 3.70" diameter; will not fit 5" diameter filters			
40502/05/10/30P-AD	40510/30A-AD	40505/10/30W-AD	40910/30W-AD
40510PE-AD	40510D-AD	40910/30P-AD	41110/30P-AD
41110/30W-AD	41110/30A-AD	41110/30D-AD	

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

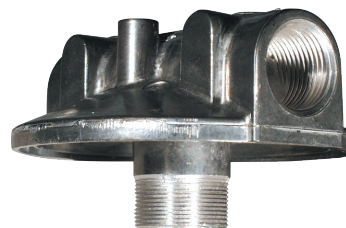
40502/05/10/30P-AD	40510/30A-AD	40505/10/30W-AD	40910/30W-AD
40510PE-AD	40510D-AD	40910/30P-AD	41110/30P-AD
41110/30W-AD	41110/30A-AD	41110/30D-AD	

**1.0B1.5-16AD**

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		

**1.25N1.5-16**

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

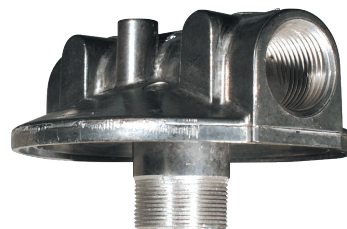
50710P	51103/10/30P	51110A	
50710W	51110/30W		

**1.5N1.5-16**

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

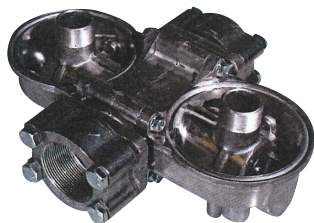
Filter Compatibility: Fits Non-AD Filters with a 5" diameter

50710P	51103/10/30P	51110A	
50710W	51110/30W		

**1.5B1.5-16**

# ADAPTERS

FUEL DISPENSER / AGRICULTURE

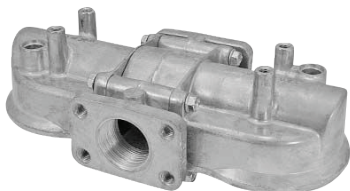


**D2.0N1.5-16**

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



**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

ACCESSORIES

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



## 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

# 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

# NOTES



# **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.*

