General
INCORPORATED
FUEL OIL PRODUCTS

INCORPORATED

UNIFILTER

Gar Ber

SPIN & GRIN®

BioGasket™

Your Filter's Seal of Assurance when using Bio-Fuel Blends!

Oil Product Guide

When your name is on the line...

Make Sure it says General on the box.

Quality you can count on SINCE 1937

In the 1930's America was converting from the use of coal to heat their homes to the more efficient use of fuel oil. It was in 1937, Detroit Michigan, the Founder of General Filters, Inc., Art Redner first introduced mass production of fuel oil filters for the new home heating fuel oil market.

Since then, the market has changed. Higher efficiency furnaces with smaller nozzle sizes, introduction of bio-fuel blends, and an increasing importance on the quality of oil delivered to the burner.

General Filters, Inc., a third generation family-owned business, continues to be trusted leaders in the residential and light commercial fuel oil filtration industry. You will find a variety of high performance, high quality fuel filters and replacement element cartridges designed to protect the technologically advanced heating systems today.

The high cost of ECONOMY

It's tempting to save a few pennies on "generic" fuel oil filters and replacement element cartridges. There is a difference between price and cost. Price is what you pay today and cost is what you pay over time. Don't let the "generics" cost you! The preferred market brands carry the names General, Gar-Ber, and Unifilter®. The reasons are compelling……

- Extensive pressure testing methods deliver the finest most reliable products.
- Thickest galvanized steel filter bowl wall for long lastingyears of service.
- Corrosion-resistant Epoxy Coating applied to filter bowl interior and exterior.
- Highest-performing filter element cartridges to meet your service expectations.
- Water Block water absorbing polymer element exclusively with Gar-Ber R2000
- 4EVERLoc bottom bolt design for a confident seal and durable service.
- BIOGasket™ offering for peace of mind performance with bio-fuel blends to B100.

Bio-Fuel Blends

Bio-fuel blends for home heating oil offer an eco-friendly upside alternative over conventional heating oil. Cleaner burning fuel, fewer harmful emissions of combustion and domestic sources of renewable energy, show that bio-fuel blends of heating oil can be less harmful to the environment.

However, Bio-fuel blends are associated with strong solvent properties that can cause rubber seals to leak. This can potentially cause challenges to traditional Buna Type gasket materials used on fuel oil filters today.

So, General Filters, Inc. has answered the challenge with the BIOGasket™. The BIOGasket™ is a highly durable class M gasket material defined under ASTMD1418. That means the BIOGasket™ is compatible with bio-fuel home heating oil blends up to B100. The General 1A-25B, 2A-700B, and Gar-Ber R2000 are standard with the BIOGasket™ seal of assurance.

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Customer Service & Technical Support

Contact for assistance Monday through Friday
8:00 am to 4:30 pm EST
Toll Free 866-476-5101
customerservice@generalfilters.com

FUEL OIL FILTERS and REPLACEMENT CARTRIDGES

BIOGasket™
Your Filter's Seal of Assurance
when using Bio-Fuel Blends!

BIOGasket™ the FKM Oil Filter Head Gasket

The BIOGasket™ is a Fluoroelastomer (FKM) synthetic rubber material. FKM was originally developed by DuPont Performance Elastomers L.L.C. marketed and commonly known as Viton®, a registered trademark of Dupont.

BIOGasket™ a FKM Gasket, provides extraordinary levels of resistance to chemicals, concentrated acids, inorganic acids, organic acids, fuel hydrocarbons, animal and vegetable oils, mineral oils and solvents. The BIOGasket® retains excellent physical and mechanical properties such as adhesion to metal, compression set and tensile strength. The thermal property range is -30F to 200F.

The BIOGasket™ is designed to resist the aggressive properties found with bio-fuel blends that cause rubber seals to leak and swell. The BIOGasket™ is a highly durable class M, 100% type 1 fluoroelastomer base as defined under ASTM1418. The BIOGasket™ is the oil heating industry choice for peace of mind assurance you can count on.

1A-25B and 2A-700B

Compatible with Bio-Fuel Blends up thru B100!

- Standard with BIOGasket™
- Durable Epoxy Coated Galvanized Steel Filter Bowl Inside & Out
- 4EVERLoc Bottom Bolt Design

1A-30 and 2A-710

Wool Felt Filter Element Cartridge

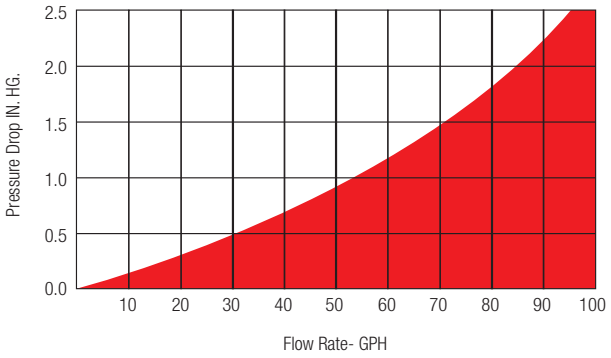
Standard with 1A-25B & 2A-700B

1A-25B Oil Filter 2A-700B Oil Filter

Compatible with Bio-Fuel Blends up thru B100!

- Standard with BioGasket
- Durable epoxy coated galvanized steel bowl inside & out
- 4EVERLoc Bottom Bolt Design

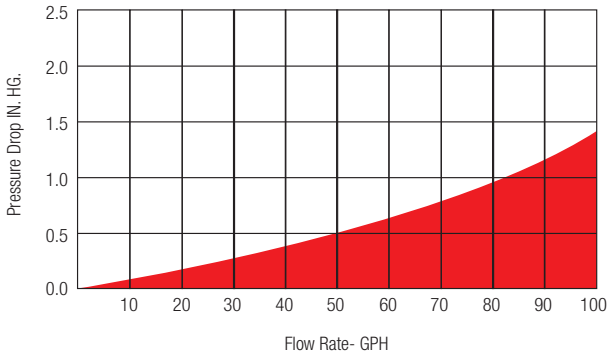
Clean Pressure Drop
No. 2 Fuel Oil 1A-25B



1300

1A-25B 3/8" General Fuel Oil Filter
10 GPH Firing Rate at 10 Microns 40 PSI

Clean Pressure Drop
No. 2 Fuel Oil 2A-700B



1308

2A-700B 3/8" General Fuel Oil Filter
25 GPH Firing Rate at 10 Microns 40 PSI

SPECIFICATIONS

	1A-25B	2A-700B
Height	5-1/8 in.	6-1/4 in.
Diameter	3-5/8 in.	4-3/8 in.
Weight	2 lbs.	3 lbs.
Pipe Size Special - Upon Request	3/8" N.P.T. STD. (1/4" Available)	3/8" N.P.T STD. (1/2", 3/4" Available)
Working Pressure	40 P.S.I.	40 P.S.I.
Firing Rate-#2 Fuel Oil	10 GPH	25GPH
Replacement Elements	Pt. No. 1A-30	Pt. No. 2A-710
Filter Media	Wool Felt (10 Micron)	Wool Felt (10 Micron)
Felt Surface	41 Square Inches	83 Square Inches
Felt Volume	11.5 Cubic Inches	21.3 Cubic Inches

5 Individually Packed FKM BIOGaskets

Compatible with Bio-Fuel Blends up to B100!

- 3081 BG5-1A FKM BioGasket 5/pk for 1A-25B / 77
- 3083 BG5-2A FKM BioGasket 5/pk for 2A-700B / 99
- 3085 BG5-FB4 FMK BioGasket 5/pk for FB4 / FB6
- 3088 BG5-R/G FMK BioGasket 5/pk for Spin-On Models

50 Bulk Packed FKM BIOGaskets

Compatible with Bio-Fuel Blends up to B100!

- 3082 BG50-1A FKM BioGasket 50/pk for 1A-25B / 77
- 3084 BG50-2A FKM BioGasket 50/pk for 2A-700B / 99
- 3085 BG50-FB4 FMK BioGasket 50/pk for FB4 / FB6

1A-30BG and 2A-710BG with BioGasket

Compatible with Bio-Fuel Conforming to ASTM D396-09 (up to B5)

- 2003 1A-30BG Wool Felt Replacement Cartridge 25 GPH Firing Rate at 10 Microns - for 77B, 1A-25B, 1A-25A
- 2017 2A-710BG Wool Felt Replacement Cartridge 25 GPH Firing Rate at 10 Microns - for 99B, 2A-700B, 2A-700A

1A-30 and 2A-710

Compatible with Fuel Oil Conforming to ASTM D1418 (up to B5)!

- 2000 1A-30 Wool Felt Replacement Cartridge 10 GPH Firing Rate at 10 Microns - for 77B, 1A-25B, 1A-25A
- 2006 2A-710 Wool Felt Replacement Cartridge 25 GPH Firing Rate at 10 Microns - for 99B, 2A-700B, 2A-700A

Filter Bowl Upgrade Kits

Compatible with Bio-Fuel Blends up to B100!

Featuring: Epoxy Coated Galvanized Steel Filter Bowls with 4EverLoc Bottom Bolt Design

- 1007 1A-EpoxyG Filter Bowl Kits for 1A-25B / 77 with BioGasket
- 1013 2A-EpoxyG Filter Bowl Kits for 2A-700B / 99 with BioGasket

E-Z CHANGE™ Filter Draining System

- 3000 E-Z CHANGE™ Filter Draining System
- 3014 E-Z LID replacement for E-Z Bucket

Fuel Oil Tank Accessories

- 1500 GF-100 ULC Approved Tank Gauge - 44" Long x 1 1/2" NPT
- 1501 GF-2126 ULC Approved Tank Whistle - 2" x 1-1/4" x 1-1/4"
- 1503 GF-200Z Fill Cap 2" Zinc
- 1504 GF-201 Threaded 2" Fill Cap
- 1505 GF-202 Locking 2" Fill Cap
- 1502 GF-125Z 1-1/4" Vent Cap

88CR and 101

Compatible with Fuel Oil Conforming to ASTM D396-09 (up to B5)!

10 micron wool felt replacement cartridge are
center core bonded to prevent media migration

- 9009 88CR Wool Felt Replacement Cartridge 10 GPH Firing Rate - for 77B, 1A-25B, 1A-25A
- 9011 101 Wool Felt Replacement Cartridge 25 GPH Firing Rate - for 99B, 2A-700B, 2A-700A

RF Series micRoFiber 10 micron Replacement Cartridges

Compatible with Fuel Oil Conforming to ASTM D396-09 (up to B5)!

- 9012 RF-1 micRoFiber Replacement Cartridges - for 77B, 1A-25B, 1A-25A
- 9013 RF-2 micRoFiber Replacement Cartridges - for 99B, 2A-700B, 2A-700A
- 9017 RF-4 micRoFiber Replacement Cartridges - for Fluflo FB4

RF Series micRoFiber 10 micron Replacement Cartridges

Compatible with Fuel Oil Conforming to ASTM D1418 (up to B100)!

- 9311 RF-1BG micRoFiber Replacement Cartridge with BioGasket - for 77B, 1A-25B, 1A-25A
- 9312 RF-2BG micRoFiber Replacement Cartridge with BioGasket - for 99B, 2A-700B, 2A-700A
- 9317 RF-4BG micRoFiber Replacement Cartridge with BioGasket - for Fluflo FB4

GAR-BER SPIN-ON FUEL OIL FILTERS

The Gar-Ber Spin-On is a highly efficient residential fuel oil filter that was pioneered by Jim and John Berg of Seattle, WA in 1975. The Gar-Ber Brand Spin-On Fuel Oil Filter exceeds the industry standard for filtration of fuel oil in home heating appliances, as it is the only filter with Biofuel. Today, Gar-Ber is manufactured by General Filters, Inc. to the same high quality specifications the Berg Brothers produced over the years. Innovative and highly reliable, you can always count on Gar-Ber to be superior in quality and best in performance.

Gar-Ber Filters Legend

11V	Aluminum Head w/ 1/8" Vacuum Bleed Port
11BV	Alum Filter Head & Bracket
R, M	Spin-On Oil Filter Cartridge Type
K	Filter Restriction Indicator
B	Galvanized Filter Bracket
R2000	Epoxy-Coated Disposable Spin-On Cartridge Filter with Water Block

Gar-Ber R2000 with Water Block and BioGasket™

The Only BIOFUEL Oil Filter!

Biofuel is a renewable fuel oil blend made from soybean oil and processed from other fats and vegetable oils.

Gar-Ber Filters are compatible up to 20% blend of pure biofuel with conventional high/low sulfur home heating oil.

Water Block is a superior absorbent polymer that removes water from fuel oil and captures it deep within its pleated design. The performance separates the water from the oil so only the heating oil finds it way to the burner. Water Block is an inorganic material that is bacteria resistant and will not support bacterial growth.

GAR-BER SPIN-ON FUEL OIL FILTERS

Residential Gar-Ber "R2000" Filters

11V-R2000

Specifications

Machined Aluminum Head, with 1/8" Vacuum/Bleed port with #R-2000 Epoxy-Coated Disposable Spin-On Filter.

Maximum Firing Rate:	10 gph
Micron Removal:	10 microns
Filtering Area:	500 sq in
Working Pressure:	15 psi
Flow Rate:	45 gph
Inlet / Outlet:	3/8" npt
Dimensions:	H-7½" W-3¾"

Standard With BioGasket™

1608

11V-R2000 Gar-Ber Fuel/Oil Filter with Water Block

11BV-R2000K

Specifications

Machined Aluminum Head, Galvanized Attaching Bracket, Filter Restriction Indicator, and #R-2000 Epoxy-Coated Disposable Spin-On Filter.

Inlet/Outlet:	3/8" npt
Dimensions:	9" H x 4-3/4" W
Bracket Up Position:	H-9¼"
Bracket Down Position:	H-9" W-3¾"

Standard With BioGasket™

1611

11BV-R2000K Gar-Ber Fuel/Oil Filter with Water Block

R-2000

Specifications

Epoxy coated canister. Recommended on units with either single or double line systems firing up to 10 gph.

Maximum Firing Rate:	10 gph
Micron Removal:	10 microns
Filtering Area:	500 sq. in.
Working Pressure:	15 psi
Flow Rate:	45 gph
Dimensions:	H-5½" W-3¾"

Standard With BioGasket™

2630

"R2000" Epoxy-Coated Repl Cartridge with Water Block

Residential Gar-Ber "R" Filters

11V-R

Specifications

Machined Aluminum Head with 1/8" Vacuum/Bleed port with #R epoxy-Coated Disposable Spin-On Filter.

Maximum Firing Rate:	10 gph
Micron Removal:	10 microns
Filtering Area:	500 sq. in.
Working Pressure:	15 psi
Flow Rate:	45 gph
Inlet/Outlet:	3/8" npt
Dimensions:	H-7½" W-3¾"

1600

11V-R Gar-Ber Spin-On Fuel Filter

11BV-R

Specifications

Machined Aluminum Head, 1/8" Vacuum/Bleed Port, #R Epoxy-Coated Disposable Spin-On Filter and Galvanized Attaching Bracket.

Maximum Firing Rate:	10 gph
Micron Removal:	10 microns
Filtering Area:	500 sq. in.
Working Pressure:	15 psi
Flow Rate:	45 gph
Inlet/Outlet:	3/8" npt
Dimensions:	7-1/2" H x 4-3/4" W
Bracket Up Position:	H-9¼"
Bracket Down Position:	H-7½" W-3¾"

1602

11BV-R Gar-Ber Spin-On Fuel Filter

11BV-RK

Specifications

Machined Aluminum Head, Galvanized Attaching Bracket, Filter Restriction Indicator, and #R Epoxy-Coated Disposable Spin-On Filter.

Maximum Firing Rate:	10 gph
Micron Removal:	10 microns
Filtering Area:	500 sq. in.
Working Pressure:	15 psi
Flow Rate:	45 gph
Inlet/Outlet:	3/8" npt
Dimensions:	
Bracket Up Position:	H-9¼"
Bracket Down Position:	H-9" W-3¾"

1603

11BV-RK Gar-Ber Spin-On Fuel Oil Filter

R

Specifications

Epoxy coated canister. Recommended on units with either single or double line systems firing up to 10 gph.

Maximum Firing Rate:	10 gph
Micron Removal:	10 microns
Filtering Area:	500 sq. in.
Working Pressure:	15 psi
Flow Rate:	45 gph
Dimensions:	H-5½" W-3¾"

2605

"R" Epoxy-Coated Can Repl Cartridge - Boxed

Commercial Gar-Ber "M" Filters

11BV-M

Specifications

Machined Aluminum Head with 1/8" Vacuum/Bleed port with #M epoxy-Coated Disposable Spin-On Cartridge Filter.

Maximum Firing Rate:	35 gph
Micron Removal:	35 microns
Filtering Area:	700 sq in
Working Pressure:	15 psi
Flow Rate:	90 gph
Inlet / Outlet:	3/8" npt
Dimensions:	9" H x 4-3/4" W

1604

11BV-M Gar-Ber Commercial Spin-On Oil Filter

11BV-MK

Specifications

Machined Aluminum Head with 1/8" Vacuum/Bleed port with #M epoxy-Coated Disposable Spin-On Cartridge Filter.

Maximum Firing Rate:	35 gph
Micron Removal:	35 microns
Filtering Area:	700 sq in
Working Pressure:	15 psi
Flow Rate:	90 gph
Inlet / Outlet:	3/8" npt
Dimensions:	10-1/2" H x 4-3/4" W

1605

11BV-MK Gar-Ber Commercial Spin-On Oil Filter

M

Specifications

Machined Aluminum Head with 1/8" Vacuum/Bleed port with #M epoxy-Coated Disposable Spin-On Cartridge Filter.

2615

"M" Epoxy-Coated Can Repl Cartridge

Residential General "G" Filters

1A-10G

Specifications

Machined Aluminum Head with 1/8" Vacuum/Bleed port with #G epoxy-Coated Disposable Spin-On Cartridge Filter.

Maximum Firing Rate: 10 gph
Micron Removal: 10 microns
Filtering Area: 500 sq in
Working Pressure: 15 psi
Flow Rate: 45 gph
Inlet / Outlet: 3/8" npt
Dimensions: 7-1/8" H x 3-3/4" W

1005
1A-10G General Turrent-On Spin-On Fuel Oil Filter

1A-10GBK

Specifications

Machined Aluminum Head with 1/8" Vacuum/Bleed port with #G epoxy-Coated Disposable Spin-On Cartridge Filter.

Maximum Firing Rate: 10 gph
Micron Removal: 10 microns
Filtering Area: 500 sq in
Working Pressure: 15 psi
Flow Rate: 45 gph
Inlet / Outlet: 3/8" npt
Dimensions: 9" H x 4-3/4" W

1006
1A-10GBK General Turrent-On Spin-On Fuel Oil Filter

G

Specifications

Machined Aluminum Head with 1/8" Vacuum/Bleed port with #G epoxy-Coated Disposable Spin-On Cartridge Filter.

2008
"G" Epoxy-Coated Can Repl Cartridge

Spin-On Accessories

3620
AMB (B) Angle Filter Mounting Bracket

3610
FRI (K) 30" Vacuum Filter Restriction Indicator (Gauge)

3600
11V (1A) Alum Residential Filter Head w/Port

UNIFILTER FUEL OIL FILTERS

77B and 99B Fuel Oil Filters

Compatible with Fuel Oil Conforming to ASTM D396-09 (up to B5)!

- Working pressure = 40 PSI. ETL Listed. 3/8" NPT standard
- Now with durable epoxy coated galvanized steel filter bowl Inside & out
- 4EVERLoc bottom bolt design

RF-1 & RF-2

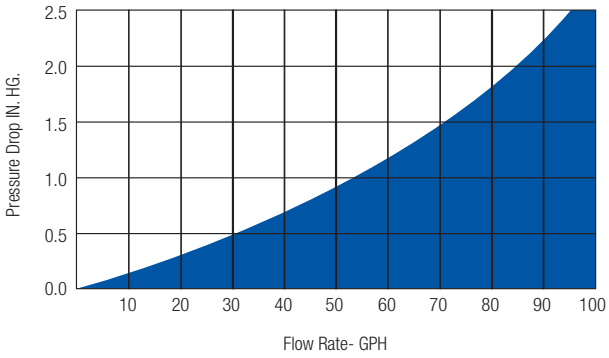
micRoFiber RF Filter Element Cartridge Standard with 77B & 99B

77B Oil Filter 99B Oil Filter

Compatible with Bio-Fuel Blends up thru B5!

- Durable epoxy coated galvanized steel bowl inside & out
- 4EVERLoc Bottom Bolt Design

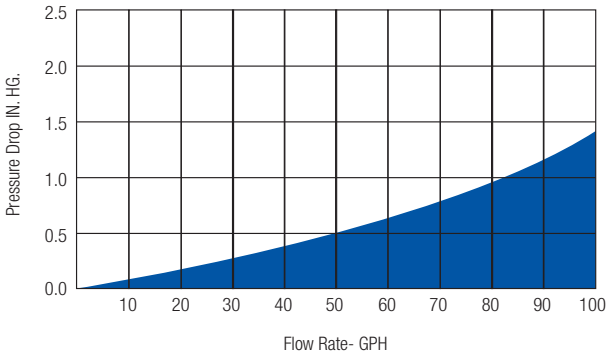
Clean Pressure Drop
No. 2 Fuel Oil 77B



9300

77B 3/8" Unifilter Fuel Oil Filter
10 GPH Firing Rate at 10 Microns 40 PSI

Clean Pressure Drop
No. 2 Fuel Oil 99B



9302

99B 3/8" Unifilter Fuel Oil Filter
25 GPH Firing Rate at 10 Microns 40 PSI

SPECIFICATIONS

	77B	99B
Height	5-1/8 in.	6-1/4 in.
Diameter	3-5/8 in.	4-3/8 in.
Weight	2 lbs.	3 lbs.
Pipe Size	3/8" N.P.T. STD.	3/8" N.P.T STD.
Working Pressure	40 P.S.I.	40 P.S.I.
Firing Rate-#2 Fuel Oil	10 GPH	25GPH
Replacement Elements	Pt. No. RF-1	Pt. No. RF-2
Filter Media	micRoFiber (10 Micron)	micRoFiber (10 Micron)
micRoFiber RF Surface	52 Square Inches	90 Square Inches
micRoFiber RF Volume	12 Cubic Inches	22.7 Cubic Inches

Model 2A-17A
Fuel Oil Filters

Quality, Low Cost Filters for Every Home!

General Offers Exceptional Features

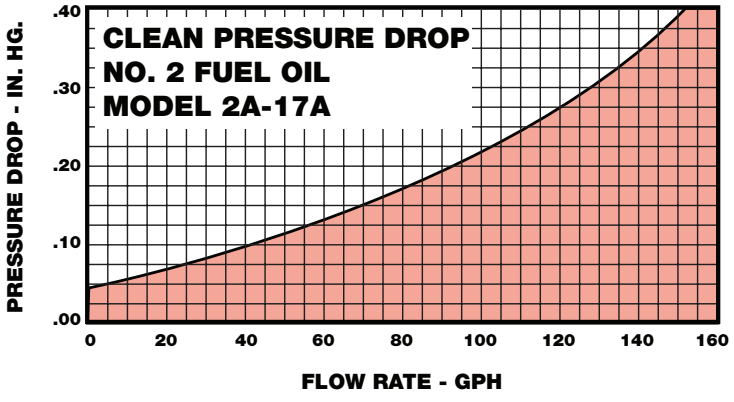
- Leakproof construction with machined gasket seats and ETL listed gasket compounds
- Standard with Epoxy Coated Galvanized Steel Filter Bowl Inside & Out (E)
- For use with No. 2, 4, 5 or 6 fuel oil
- Choice of 4 pipe thread sizes
- Easy to clean, reusable wire mesh element with a wide range of mesh sizes available
- Element constructed of corrosion proof stainless steel
- May also be used as a line-type filter for hydraulic and lubricating oils, farm spraying equipment and other filtration applications
- Listed by ETL

Installation

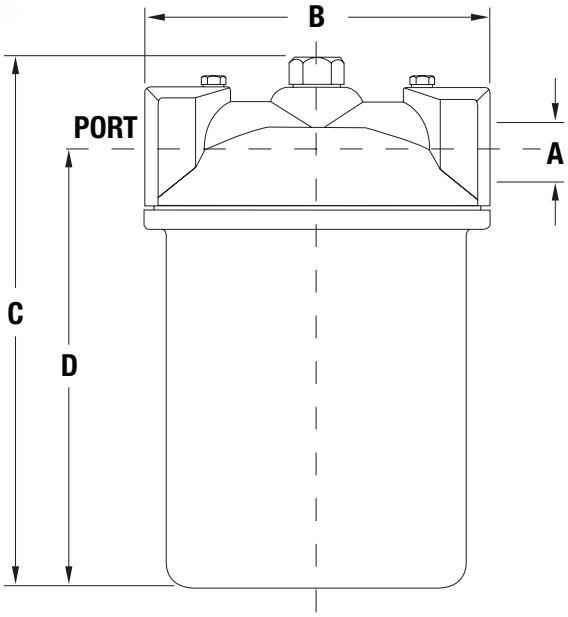
Fuel filters must be installed in the suction line between the storage tank and burner. They may be installed either at the tank or at the burner where they will protect the fuel pump and burner nozzle from impurities in the fuel oil.

Specifications

- Pipe Sizes ..... 3/8, 1/2, 3/4 or 1 NPT
- Max. Working Pressure ..... 40 PSI
- Firing Rate (Max. Nozzle Capacity)..... up to 24 GPH
- Element 2A-710SL
  Mesh Size 30, 40, 60, 100, 150 or 200
- Element Surface Area ..... 40 sq. in.
- Shipping Weight (12 per carton) ..... 50 lbs.



Model 2A-17A Fuel Oil Filters



Filter Dimensions

Pipe Size in (A)	Port to Port (B)	Overall Length (C)	Port Center (D)	Weight lbs.
3/8"	4-3/8"	6-1/4"	5-5/16"	3.1
1/2"	4-3/8"	6-3/4"	5-1/2"	3.6
3/4"	4-3/8"	6-3/4"	5-1/2"	3.4
1"	4-3/8"	7"	5-11/16"	4.1

The 2A-17A fuel oil filters provide a wide range of filtration with durable stainless steel wire mesh elements. The stainless steel wire mesh elements form 40 square inches of filtering area.

2A-17A Element Selection Chart

Wire Mesh Element Size	Recommended Fuel Oil Type	Mesh Opening (inches)
30	No. 4,5 or 6	0.210
40	No. 4,5 or 6	0.160
60	No. 2	0.100
100	No. 2	0.006
150	No. 2	0.004
200	No. 2	0.003

Ordering Information

When ordering 2A-17A Filters-Specify:

2A-17A - 3/4 - 60 - N E

- 2A-17A — Basic Model No. for filters w/ wire mesh element
- 3/4 — Pipe Size: 3/8", 1/2", 3/4", 1"
- 60 — Mesh Size: 30, 40, 60, 100, 150, 200
- N — Bowl Gasket: N = Buna-N, V = Vellumoid
- E — Interior Finish: E = Epoxy Coated

When ordering elements for 2A-17A Filters-Specify:

2A-710SL - 60 - N

- 2A-710SL — Basic Model No. for wire mesh element
- 60 — Mesh Size: 30, 40, 60, 100, 150, 200
- N — Bowl Gasket: N = Buna-N, V = Vellumoid, T = Viton

Multi-Purpose Fuel Filter with Stainless Steel Mesh Elements

Stainless Steel cleanable element
Available 3/8", 1/2", 3/4" and 1" NPT.
Mesh sizes available: 30, 40, 60, 100, 150, and 200
Gaskets: Buna-N, Viton (T), and Vellumoid (U)
Standard with Epoxy Coated Galvanized Steel Filter Bowl Inside & Out (E)
ETL Listed for #2, 4, 5, 6 Fuel Oil at 24 GPH Firing Rate
ETL Listed for 40 psi MAX Working Pressure

- 1022 2A17A-3/8-30 TE--- Fuel Oil Filter 3/8" NPT 24 GPH
- 1023 2A17A-3/8-40 TE - Fuel Oil Filter 3/8" NPT 24 GPH
- 1024 2A17A-3/8-60 TE - Fuel Oil Filter 3/8" NPT 24 GPH
- 1025 2A17A-3/8-100 TE - Fuel Oil Filter 3/8" NPT 24 GPH
- 1026 2A17A-3/8-150 TE - Fuel Oil Filter 3/8" NPT 24 GPH
- 1027 2A17A-3/8-200 TE - Fuel Oil Filter 3/8" NPT 24 GPH
- 1028 2A17A-1/2-30 TE - Fuel Oil Filter 1/2" NPT 24 GPH
- 1029 2A17A-1/2-40 TE - Fuel Oil Filter 1/2" NPT 24 GPH
- 1030 2A17A-1/2-60 TE - Fuel Oil Filter 1/2" NPT 24 GPH
- 1031 2A17A-1/2-100 TE - Fuel Oil Filter 1/2" NPT 24 GPH
- 1032 2A17A-1/2-150 TE - Fuel Oil Filter 1/2" NPT 24 GPH
- 1033 2A17A-1/2-200 TE - Fuel Oil Filter 1/2" NPT 24 GPH
- 1034 2A17A-3/4-30 TE - Fuel Oil Filter 3/4" NPT 24 GPH
- 1035 2A17A-3/4-40 TE - Fuel Oil Filter 3/4" NPT 24 GPH
- 1036 2A17A-3/4-60 TE - Fuel Oil Filter 3/4" NPT 24 GPH
- 1037 2A17A-3/4-100 TE - Fuel Oil Filter 3/4" NPT 24 GPH
- 1038 2A17A-3/4-150 TE - Fuel Oil Filter 3/4" NPT 24 GPH
- 1039 2A17A-3/4-200 TE - Fuel Oil Filter 3/4" NPT 24 GPH
- 1040 2A17A-1-30 TE - Fuel Oil Filter 1" NPT 24 GPH
- 1041 2A17A-1-40 TE - Fuel Oil Filter 1" NPT 24 GPH
- 1042 2A17A-1-60 TE - Fuel Oil Filter 1" NPT 24 GPH
- 1043 2A17A-1-100 TE - Fuel Oil Filter 1" NPT 24 GPH
- 1044 2A17A-1-150 TE - Fuel Oil Filter 1" NPT 24 GPH
- 1045 2A17A-1-200 TE - Fuel Oil Filter 1" NPT 24 GPH

Multi-Purpose Replacement Stainless Steel Mesh Elements

- 2024 2A-710SL-30N - Fuel Oil Filter Element - #30 Stainless Steel Mesh N-Buna N
- 2025 2A-710SL-40N - Fuel Oil Filter Element - #40 Stainless Steel Mesh N-Buna N
- 2026 2A-710SL-60N - Fuel Oil Filter Element - #60 Stainless Steel Mesh N-Buna N
- 2027 2A-710SL-100N - Fuel Oil Filter Element - #100 Stainless Steel Mesh N-Buna N
- 2028 2A-710SL-150N - Fuel Oil Filter Element - #150 Stainless Steel Mesh N-Buna N
- 2029 2A-710SL-200N - Fuel Oil Filter Element - #200 Stainless Steel Mesh N-Buna N

Multi-Purpose Replacement Stainless Steel Mesh Elements

- 2031 2A-710SL-30V - Fuel Oil Filter Element - #30 Stainless Steel Mesh V-Vellumoid
- 2032 2A-710SL-40V - Fuel Oil Filter Element - #40 Stainless Steel Mesh V-Vellumoid
- 2033 2A-710SL-60V - Fuel Oil Filter Element - #60 Stainless Steel Mesh V-Vellumoid
- 2034 2A-710SL-100V - Fuel Oil Filter Element - #100 Stainless Steel Mesh V-Vellumoid
- 2036 2A-710SL-150V - Fuel Oil Filter Element - #150 Stainless Steel Mesh V-Vellumoid
- 2037 2A-710SL-100T - Fuel Oil Filter Element - #100 Stainless Steel Mesh T-Viton
- 2035 2A-710SL-200T - Fuel Oil Filter Element - #200 Stainless Steel Mesh T-Viton

Mixed item selection of GFI oil products for dollar volume pricing

- 1017 2A-750-1" NPT - Storage Tank Filter for Gasoline or Diesel Fuel
- 2016 2A-710G100 #100G - Cleanable Stainless Steel Mesh Fuel Oil Filter Element

Multi-Purpose Filters with Felt Elements

- 1123 2A-17AF-3/8-25-NU - Multi-Purpose Filter with 25 micron felt element 3/8" NPT Ports, Buna-N Gaskets, Uncoated Interior
- 1141 2A-17AF-3/8-25-VE - Multi-Purpose Filter with 25 micron felt element 3/8" NPT Ports, Viton Gaskets, Epoxy Interior
- 1125 2A-17AF-1/2-25-NU - Multi-Purpose Filter with 25 micron felt element 1/2" NPT Ports, Buna-N Gaskets, Uncoated Interior
- 1143 2A-17AF-1/2-25-VE - Multi-Purpose Filter with 25 micron felt element 1/2" NPT Ports, Viton Gaskets, Epoxy Interior
- 1127 2A-17AF-3/4-25-NU - Multi-Purpose Filter with 25 micron felt element 3/4" NPT Ports, Buna-N Gaskets, Uncoated Interior
- 1145 2A-17AF-3/4-25-VE - Multi-Purpose Filter with 25 micron felt element 3/4" NPT Ports, Viton Gaskets, Epoxy Interior
- 1129 2A-17AF-1-25-NU - Multi-Purpose Filter with 25 micron felt element 1" NPT Ports, Buna-N Gaskets, Uncoated Interior
- 1147 2A-17AF-1-25-VE - Multi-Purpose Filter with 25 micron felt element 1" NPT Ports, Viton Gaskets, Epoxy Interior

Multi-Purpose Filters with Felt Elements

- 2018 2A-710F-25-N - Element, Wool Felt 25 micron, Buna-N Gaskets included
- 2021 2A-710F-25-V - Element, Wool Felt 25 micron, Viton Gaskets included
- 2019 2A-710F-50-N - Element, White Rayon 50 micron, Buna-N Gaskets included

Oil Filter Service Reference
Spin-On Oil Filters

Spin-on Cartridge Replacement:

The filter cartridge should be replaced at the beginning of each heating season. It is recommended to change the oil filter cartridge before servicing the oil burner. Use only genuine Gar-Ber or General Filters spin-on cartridges. Generic cartridges may result in poor performance or void agency listing.

1. Turn off electricity to burner and close shut-off valve in fuel line.
2. Place E-Z change bucket or oil tray under filter. Using a filter wrench, loosen and spin-off old cartridge.
3. Place used filter cartridge in E-Z Change bucket, so oil will drain (Figure 2).
4. Cut and remove old O-ring and replace it with the new O-ring supplied (Figure 3). Inspect threads for any signs of wear or damage and replace if required.
5. Apply a thin coat of petroleum jelly, or motor oil, to the gasket (Figure 3).
6. Check for dents in cartridge or damaged paint. Do not use cartridge if damaged.
7. Spin-on new filter cartridge. Tighten 3/4 turn after the gasket contacts the filter head.
8. Bleed air as recommended by pump manufacturer.

FIG 1

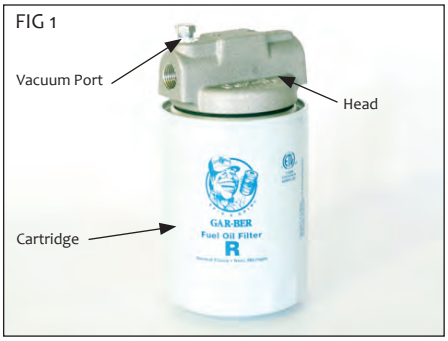


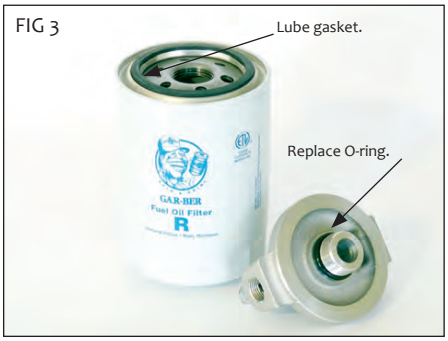
FIG 2

Bleeding One-Pipe Systems:

1. Close fuel shut-off valve.
2. Loosen filter vacuum port plug or gauge.
3. Open fuel shut-off valve briefly until oil shows at plug.
4. Tighten vacuum port plug or gauge (Figure 1).
5. Open shut-off valve.
6. Loosen bleed port on fuel unit. Start burner and bleed system as recommended by pump manufacturer.

Important: Priming may be assisted by filling cartridge with clean fuel oil. One-pipe installations must be absolutely air tight or leaks and/or loss of prime may result. Bleed system for 15 seconds after the last air is seen from the pump's bleed port to be certain lines are air-free.

FIG 3



Bleeding Two-Pipe System:

Bleeding two-pipe systems is often not necessary. Priming may be assisted by filling cartridge with clean fuel oil.

RUN OIL BURNER AND CHECK FOR LEAKS.
IF OIL TANK IS EMPTY, RUN BURNER AND RE-INSPECT AFTER TANK IS FIRST FILLED. KEEP RECORDS OF SERVICES AND INSPECTIONS.

Clean oil tray, wipe out any spilled oil (Figure 4).

FIG 4

Filter Cartridge Replacement:

The filter cartridge should be replaced at the beginning of each heating season. It is recommended to change the oil filter before servicing the oil burner.

1. Turn off electricity to burner and close shut-off valve in fuel line.
2. Place E-Z Change bucket under filter. Loosen top center bolt ONLY and remove filter bowl.
3. Place used filter cartridge in E-Z Change bucket, so oil will drain. (Figure 2).
4. Inspect filter bowl closely for visible corrosion, pitting, or coating damage as Illustrated in figure 3, 4, and 5.
   Figure 3 showing exterior coating damage, replace filter bowl.
   Figure 4 showing rust and pitting, replace filter bowl.
   Figure 5 showing pin size hole in bowl, replace filter bowl.
   When you have identified filter bowl degradation, be certain to replace with the General Epoxy G Filter Bowl Upgrade Kit.
   The Epoxy G Filter Bowl is coated with thick durable epoxy on the inside and out, standard with the 4EVERLoc bottom bolt design, and features the BIOGasket™

5. If filter bowl is free from degradation, proceed to clean filter bowl thoroughly. You may use solvent if necessary.
6. Dry gasket seat in filter bowl.
7. Place new General or Unifilter cartridge in filter bowl and install the new bowl gasket and center bolt gaskets provided. Do not lubricate gaskets.
8. Reassemble bowl to filter head and tighten center bolt. Torque center bolt to 80-120 inch-pounds.
9. Bleed air as recommended by pump manufacturer.

Bleeding One-Pipe Systems:

1. Close fuel shut-off valve.
2. Remove filter vent screw.
3. Replace vent screw with new gasket.
4. Open fuel shut-off briefly until oil shows at vent port.
5. Tighten vent screw then open shut-off valve.
6. Loosen bleed port on fuel unit. Start burner and bleed system as recommended by pump manufacturer.

Important: Priming may be assisted by filling filter bowl with clean fuel oil. One-pipe installations must be absolutely air tight or leaks and/or loss of prime may result. Bleed system for 15 seconds after the last air is seen from the pump's bleed port to be certain lines are air-free.

Bleeding Two-Pipe System:

Bleeding two-pipe systems is often not necessary. Priming may be assisted by filling filter bowl with clean fuel oil.

RUN OIL BURNER AND CHECK FOR LEAKS. IF OIL TANK IS EMPTY, RUN BURNER AND RE-INSPECT AFTER TANK IS FIRST FILLED. KEEP RECORDS OF SERVICES AND INSPECTIONS.

FIG 1

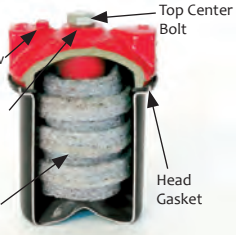


FIG 2

FIG 3

FIG 4

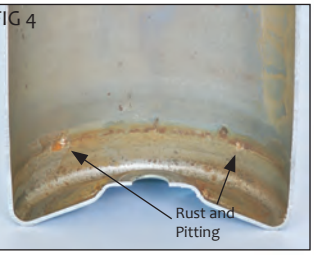
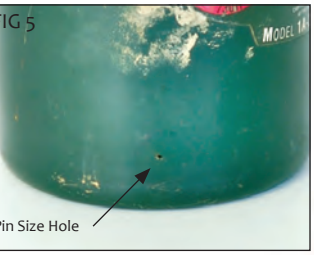


FIG 5



General Filters, Inc.

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Founded in 1937, General Filters' professional experience spans three generations. Our plant management team implements strict quality and assurance systems to deliver premium dependable products that market under brand names GeneralAire®, General, Unifilter® and Gar-Ber.

Certificates of recognition, approvals, and associations for all related markets, such as "UL", "ETL", "CSA", "AHRI", "HARDI", "ACCA", "NAOSHM", "NEFI", "BlueHawk", "A-D", "WIT", "KWGA" and "IIAQC".

- Visit www.generalfilters.com (Click on "Literature"!) to download General Filters, Inc. brochures, installation & owner's manuals and product guides.
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