

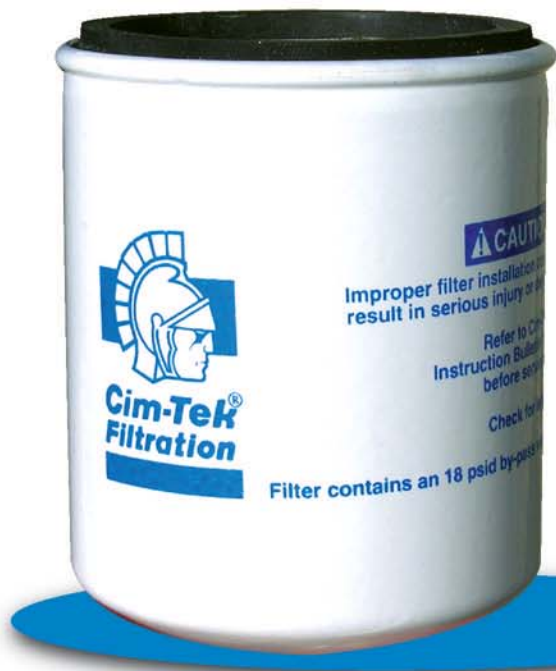
# CIM TEK<sup>®</sup> FILTRATION



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# 10 SERIES *spin-on filter*



**Thread: M16-1.5, 3/4"-16**

**Maximum Working Pressure:**

100 psi / 689 kPa / 6.9 bar

**Maximum  $\Delta P$  : (differential pressure)**

25 psid / 172 kPa / 1.7 bar

**Flow Range:**

7 gpm / 27 lpm

## Application

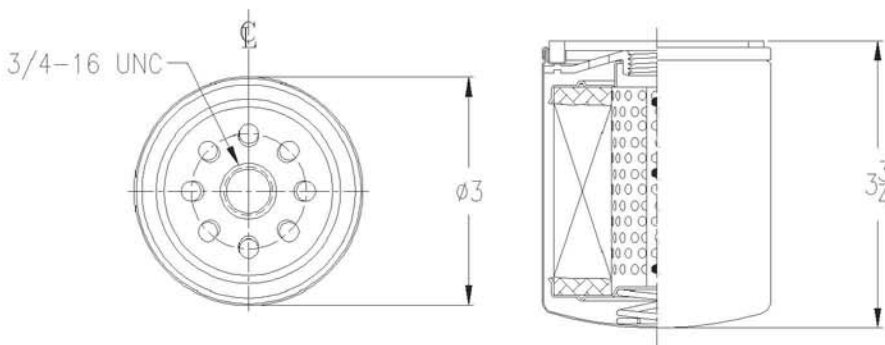
- Particulate removal for industrial in-plant equipment, lube systems and return line hydraulic systems
- Compatible with lube oils, gear oils and most synthetic fluids

## Design Features

- Cellulose media available for particulate removal
- Equivalent to OEM filters
- Variety of filtration ratios available

### Filter Dimensions

All dimensions are shown in inches



10 Series Standard Length

## Filtration Ratios

### Cellulose Resin-Impregnated Media

P/N	Thread	Length	Width	Bypass	Working Pressure	$\beta_{2=x}$	$\beta_{4=x}$	$\beta_{6=x}$	$\beta_{14=x}$	$\beta_{x=75}$	$\beta_{x=200}$	$\beta_{x=500}$
70308	M16-1.5	3 3/4"	3"	15#	100	10	-	-	3	33	37	46
70309	3/4"-16	3 3/4"	3"	18#	100	<4	2	3	34	17	28	>50
70237	3/4"-16	3 3/4"	3"	NO	100	10	-	-	3	33	37	46
70238	3/4"-16	3 3/4"	3"	NO	100	<4	2	3	34	17	28	>50

Note: 1. Filters are not to be used with aviation applications.  
2. Specifications are subject to change without notice.

# 20 SERIES *spin-on filter*



**Thread: 1"-12**

**Maximum Working Pressure:**

175 psi / 1206 kPa / 12.1 bar

**Maximum  $\Delta P$  : (differential pressure)**

25 psid / 172 kPa / 1.7 bar

**Flow Range:**

22 gpm / 83 lpm

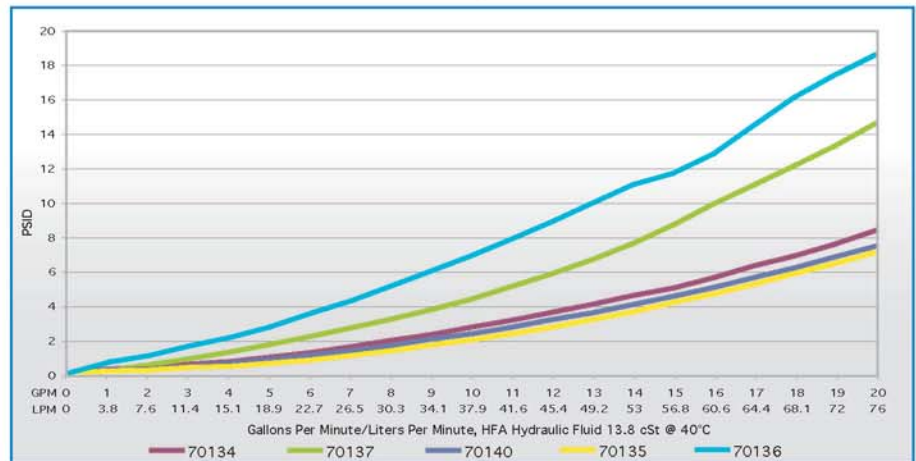
## Application

- Water and particulate removal for industrial in-plant equipment, lube systems and return line hydraulic systems
- Compatible with lube oils, gear oils and most synthetic fluids

## Design Features

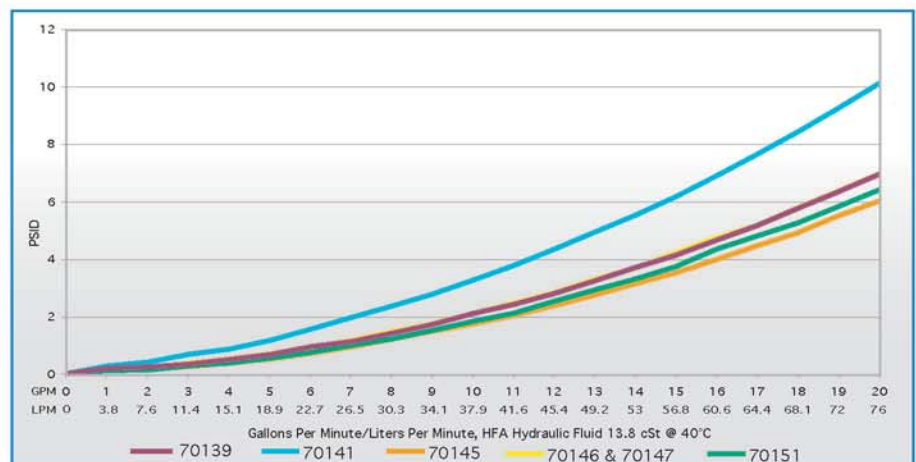
- Microglass High-Performance media available for particulate removal
- Equivalent to OEM filters
- Variety of filtration ratios available
- Hydrosorb® and Hydroglass media available designed to absorb free water and remove particulates
- Pressure activated bypass available (in mounting adaptor)

## Flow vs. Pressure



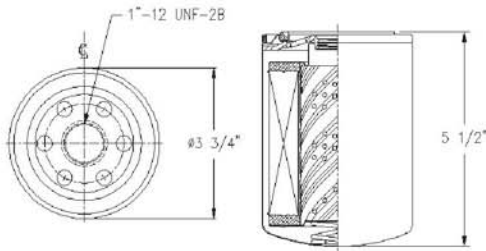
## Benefits

- Contamination from water minimized with Hydrosorb® media and Hydroglass media
- Longer filter life with extended length filters
- Fewer change-outs
- Variety of filtration efficiencies to meet your system requirements

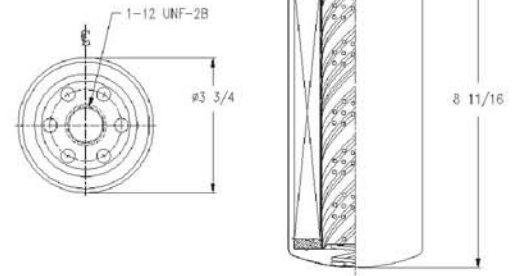


## Filter Dimensions

All dimensions are shown in inches



20 Series Standard Length



20 Series Extended Length

## Filtration Ratios

### Cellulose Resin-Impregnated Media

P/N	Thread	Length	Width	Bypass	Working Pressure	$\beta_x=2$	$\beta_4=x$	$\beta_6=x$	$\beta_{14}=x$	$\beta_x=75$	$\beta_x=200$	$\beta_x=500$
70134	1"-12	5 1/2"	3 3/4"	Adaptor	175	<4	2	3	34	17	28	>50
70135	1"-12	5 1/2"	3 3/4"	Adaptor	175	10	-	-	3	33	37	46
70136	1"-12	5 1/2"	3 3/4"	Adaptor	175	<4	58	135	227	4.5	10	>50
70146	1"-12	8 11/16"	3 3/4"	Adaptor	175	<4	2	3	34	17	28	>50
70147	1"-12	8 11/16"	3 3/4"	Adaptor	175	10	-	-	3	33	37	46

### High-Performance Microglass Media

70139	1"-12	5 1/2"	3 3/4"	Adaptor	175	6	-	2	500	12	13	14
70140	1"-12	5 1/2"	3 3/4"	Adaptor	175	<6	6	19	500	9	12	14
70141	1"-12	5 1/2"	3 3/4"	Adaptor	175	<4	10	46	7000	7	10	12
70151	1"-12	8 11/16"	3 3/4"	Adaptor	175	6	-	2	500	12	13	14
70152	1"-12	8 11/16"	3 3/4"	Adaptor	175	<6	6	19	500	9	12	14

### Hydrosorb® Water Removal Media

70137	1"-12	5 1/2"	3 3/4"	Adaptor	175	<14	-	-	5	24	27	29
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### Hydroglass High-Performance Water Removal

70222	1"-12	5 1/2"	3 3/4"	Adaptor	175	4	2	4	-	9	12	11
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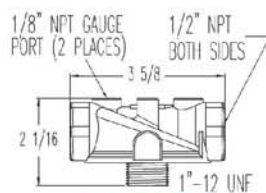
### Wire Mesh Media – 144 Micron

70145	1"-12	5 1/2"	3 3/4"	Adaptor	175	-	-	-	-	-	-	-
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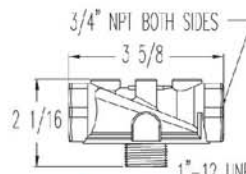
Note: 1. Filters are not to be used with aviation applications. 2. Specifications are subject to change without notice.

## Adaptor Dimensions

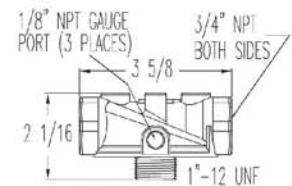
All dimensions are shown in inches



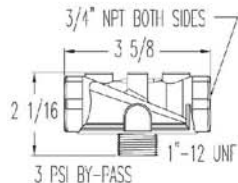
Part #50244



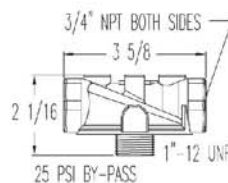
Part #50181



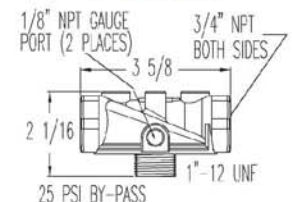
Part #50182



Part #50183



Part #50185



Part #50186

The 20 Series Spin-on Filter is accessorized with a selection of adaptors for a variety of applications. Gauge ports and bypass valves are available to customize each application.

## Adaptor Dimensions

Part No.	Material	Description	Port Size	Nose	Gauge Ports	Bypass	Use With
50244	Aluminum	Single Adaptor	1/2" NPT	1"-12 UNF	YES	NO	20 Series
50181	Aluminum	Single Adaptor	3/4" NPT	1"-12 UNF	NO	NO	20 Series
50182	Aluminum	Single Adaptor	3/4" NPT	1"-12 UNF	YES	NO	20 Series
50183	Aluminum	Single Adaptor	3/4" NPT	1"-12 UNF	NO	3# Bypass	20 Series
50185	Aluminum	Single Adaptor	3/4" NPT	1"-12 UNF	NO	25# Bypass	20 Series
50186	Aluminum	Single Adaptor	3/4" NPT	1"-12 UNF	YES	25# Bypass	20 Series

Note: See adaptor page for additional adaptors and details.

# 21& 22 SERIES *spin-on filter*



**Thread:** 1 1/8"-16, 1 1/4"-12

**Maximum Working Pressure:**

175 psi / 1206 kPa / 12.1 bar

**Maximum  $\Delta P$  :** (differential pressure)

25 psid / 172 kPa / 1.7 bar

**Flow Range:**

22 gpm / 83 lpm

## Application

- Water and particulate removal for industrial in-plant equipment, lube systems and return line hydraulic systems
- Compatible with lube oils, gear oils and most synthetic fluids

## Design Features

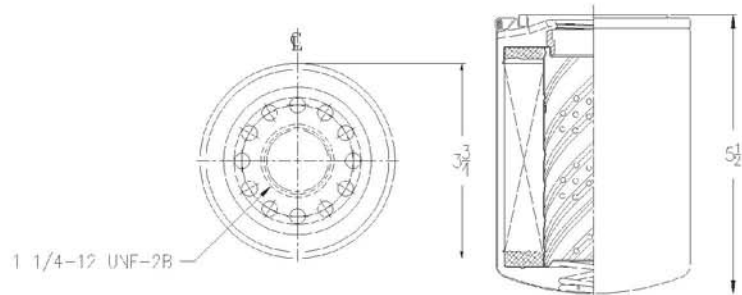
- Cellulose and Microglass High-Performance media available for particulate removal
- Equivalent to OEM filters
- Variety of filtration ratios available
- Hydrosorb® and Hydroglass media available designed to absorb free water and remove particulates
- Bushing connection available for a 1 1/4"-12 thread

## Benefits

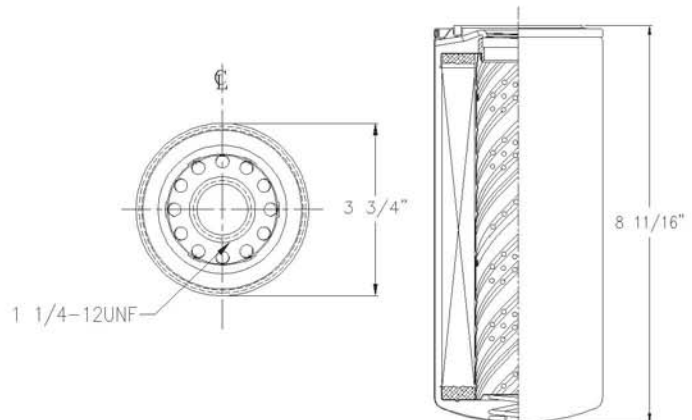
- Contamination from water minimized with Hydrosorb® media and Hydroglass media
- Longer filter life with extended length filters
- Bushing allows the use of all 20 series adaptors
- Variety of filtration efficiencies to meet your system requirements

## Filter Dimensions

*All dimensions are shown in inches*



**21 Series Standard Length**



**22 Series Extended Length**

# Filtration Ratios

## Cellulose Resin-Impregnated Media

P/N	Thread	Length	Width	Bypass	Working Pressure	$\beta_x=2$	$\beta_x=X$	$\beta_x=10$	$\beta_{14}=X$	$\beta_x=75$	$\beta_x=200$	$\beta_x=500$
70102	1 1/4"-12	5 1/2"	3 3/4"	N/A	175	10	-	-	3	33	37	48
70123	1 1/8"-16	5 1/2"	3 3/4"	N/A	175	<4	2	3	34	17	28	>50
70112	1 1/4"-12	8 11/16"	3 3/4"	N/A	175	<4	2	3	34	17	28	>50
70267	1 1/8"-16	5 1/2"	3 3/4"	N/A	175	10	-	-	3	33	37	48
70266	1 1/8"-16	5 1/2"	3 3/4"	N/A	175	<4	58	135	227	4.5	10	>50
70290	1 1/4"-12	5 1/2"	3 3/4"	N/A	175	<4	58	135	227	4.5	10	>50

## High-Performance Microglass Media

70268	1 1/8"-16	5 1/2"	3 3/4"	N/A	175	<4	10	48	7000	7	10	12
70270	1 1/4"-12	5 1/2"	3 3/4"	N/A	175	<4	10	48	7000	7	10	12

## Hydrosorb® Water Removal Media

70269	1 1/8"-16	5 1/2"	3 3/4"	N/A	175	<14	-	-	5	24	27	29
70292	1 1/4"-12	5 1/2"	3 3/4"	N/A	175	<14	-	-	5	24	27	29

## Hydroglass High-Performance Water Removal Media

70291	1 1/8"-16	5 1/2"	3 3/4"	N/A	175	4	2	4	-	9	12	11
70293	1 1/4"-12	5 1/2"	3 3/4"	N/A	175	4	2	4	-	9	12	11

## Wire Mesh Media - 144 Micron

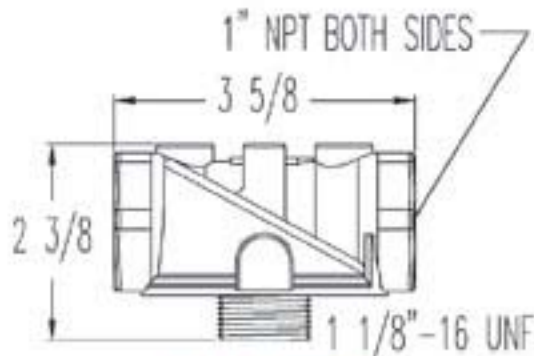
70271	1 1/8"-16	5 1/2"	3 3/4"	N/A	175	-	-	-	-	-	-	-
70294	1 1/4"-12	5 1/2"	3 3/4"	N/A	175	-	-	-	-	-	-	-

Note: 1. Filters are not to be used with aviation applications. 2. Specifications are subject to change without notice.

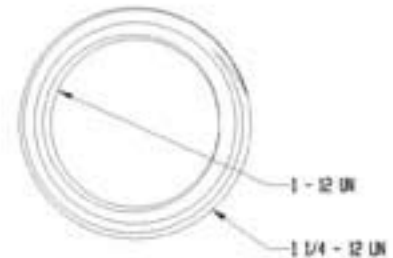
## Adaptor Dimensions

All dimensions are shown in inches

The bushing connection fits all the 20 series adaptors with a 1"-12 thread.



Part #50262



Part #90617 (Bushing)

## Adaptor Dimensions

P/N	Material	Description	Port Size	Nose	Gauge Ports	Bypass	Use With
50262	Aluminum	Single Adaptor	1" NPT	1 1/8"-16 UNF	NO	NO	21 Series
90617	Aluminum	Bushing	-	1 1/4"-12 UNF	-	-	22 Series

NOTE: See adaptor page for additional details.

# 23 SERIES *spin-on filter*



**Thread: 3/4"-14 BSP**

**Maximum Working Pressure:**

175 psi / 1206 kPa / 12.1 bar

**Maximum  $\Delta P$  : (differential pressure)**

25 psid / 172 kPa / 1.7 bar

**Flow Range:**

22 gpm / 83 lpm

## Application

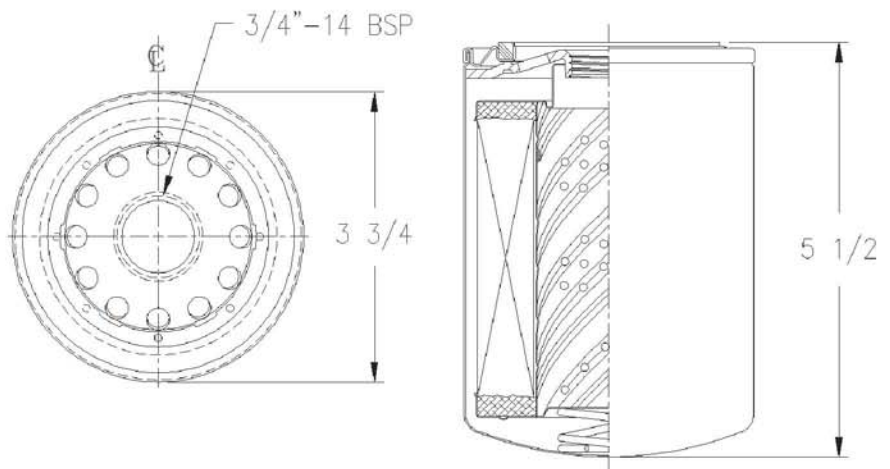
- Water and particulate removal for industrial in-plant equipment, lube systems and return line hydraulic systems
- Compatible with lube oils, gear oils and most synthetic fluids

## Design Features

- 3/4"-14 BSP thread
- Microglass High-Performance media available for particulate removal
- Equivalent to OEM filters
- Variety of filtration ratios available
- Hydrosorb® and Hydroglass media available designed to absorb free water and remove particulates

## Filter Dimensions

All dimensions are shown in inches



**23 Series Standard Length**

## Benefits

- Contamination from water minimized with Hydrosorb® media and Hydroglass media
- Longer filter life with extended length filters
- Fewer change-outs
- Variety of filtration efficiencies to meet your system requirements



# Filtration Ratios

## Cellulose Resin-Impregnated Media

P/N	Thread	Length	Width	Bypass	Working Pressure	$\beta_x=2$	$\beta_4=x$	$\beta_6=x$	$\beta_{14}=x$	$\beta_x=75$	$\beta_x=200$	$\beta_x=500$
70272	3/4"-14 BSP	5 1/2"	3 3/4"	N/A	175	<4	58	135	227	4.5	10	>50
70273	3/4"-14 BSP	5 1/2"	3 3/4"	N/A	175	10	-	-	3	33	37	46

## High-Performance Microglass Media

70189	3/4"-14 BSP	5 1/2"	3 3/4"	N/A	175	6	-	2	500	12	13	14
70190	3/4"-14 BSP	5 1/2"	3 3/4"	N/A	175	<6	6	19	500	9	12	14
70191	3/4"-14 BSP	5 1/2"	3 3/4"	N/A	175	<4	10	46	7000	7	10	12

## Hydrosorb® Water Removal Media

70274	3/4"-14 BSP	5 1/2"	3 3/4"	N/A	175	<14	-	-	5	24	<14	29
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## Hydroglass High-Performance Water Removal Media

70277	3/4"-14 BSP	5 1/2"	3 3/4"	N/A	175	4	2	4	-	9	4	11
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## Wire Mesh Media – 144 Micron

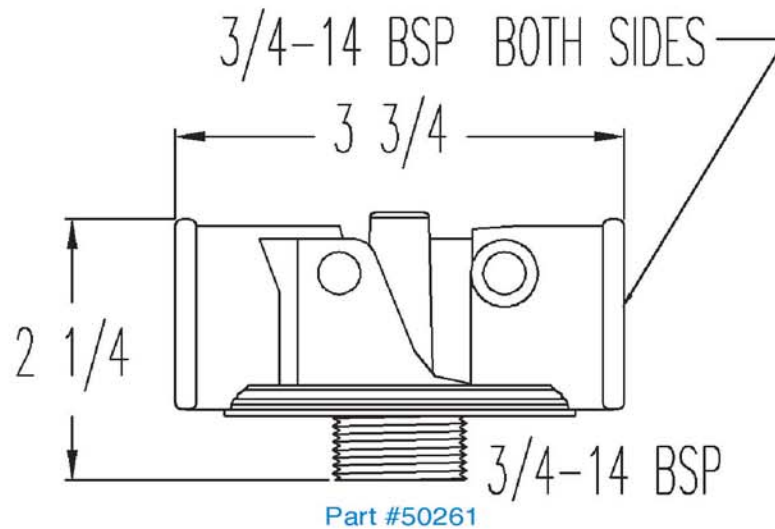
70276	3/4"-14 BSP	5 1/2"	3 3/4"	N/A	175	-	-	-	-	-	-	-
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Note: 1. Filters are not to be used with aviation applications. 2. Specifications are subject to change without notice.

## Adaptor Dimensions

All dimensions are shown in inches

The 23 Series Spin-on filters have a 3/4" BSP opening which requires the #50261 adaptor.



## Adaptor Dimensions

Part No.	Material	Description	Port Size	Nose	Gauge Ports	Bypass	Use With
50261	Aluminum	Single Adaptor	3/4"-14 BSP	3/4"-14 BSP	NO	NO	23 Series

NOTE: See adaptor page for additional details.

# 25 SERIES *spin-on filter*



**Thread: 1 3/8"-12**

**Maximum Working Pressure:**

175 psi / 1206 kPa / 12.1 bar

**Maximum  $\Delta P$  : (differential pressure)**

25 psid / 172 kPa / 1.7 bar

**Flow Range:**

22 gpm / 83 lpm

## Application

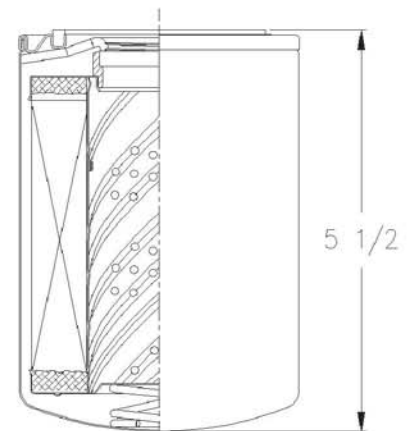
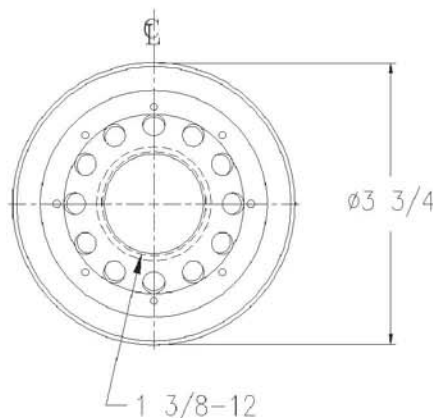
- Water and particulate removal for industrial in-plant equipment, lube systems and return line hydraulic systems
- Compatible with lube oils, gear oils and most synthetic fluids

## Design Features

- Microglass High-Performance media available for particulate removal
- Equivalent to OEM filters
- Variety of filtration ratios available
- Hydrosorb® and Hydroglass media available designed to absorb free water and remove particulates

## Filter Dimensions

All dimensions are shown in inches



## Benefits

- Contamination from water minimized with Hydrosorb® media and Hydroglass media
- Longer filter life with extended length filters
- Fewer change-outs
- Variety of filtration efficiencies to meet your system requirements

**25 Series Standard Length**

# Filtration Ratios

## Cellulose Resin-Impregnated Media

P/N	Thread	Length	Width	Bypass	Working Pressure	$\beta_x=2$	$\beta_4=x$	$\beta_6=x$	$\beta_{14}=x$	$\beta_x=75$	$\beta_x=200$	$\beta_x=500$
70483	1 3/8"-12	5 1/2"	3 3/4"	N/A	175	<4	2	3	34	17	28	>50
70484	1 3/8"-12	7 1/4"	3 3/4"	N/A	175	<4	2	3	34	17	28	>50
70486	1 3/8"-12	8 11/16"	3 3/4"	N/A	175	<4	2	3	34	17	28	>50

## High-Performance Microglass Media

70522	1 3/8"-12	5 1/2"	3 3/4"	N/A	175	<4	10	46	7000	7	10	12
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## Hydrosorb® Water Removal Media

70572	1 3/8"-12	5 1/2"	3 3/4"	N/A	175	<14	-	-	5	24	27	29
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## Hydroglass High-Performance Water Removal Media

70532	1 3/8"-12	5 1/2"	3 3/4"	N/A	175	4	2	4	-	9	12	11
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## Wire Mesh Media – 144 Micron

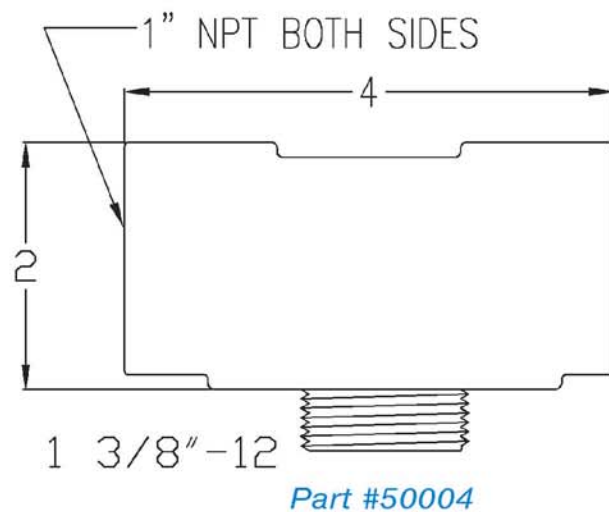
70276	1 3/8"-12	5 1/2"	3 3/4"	N/A	175	-	-	-	-	-	-	-
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Note: 1. Filters are not to be used with aviation applications. 2. Specifications are subject to change without notice.

## Adaptor Dimensions

All dimensions are shown in inches

The 50004 is the only adaptor to fit 25 series filters with a 1 3/8"-12 thread.



## Adaptor Dimensions

P/N	Material	Description	Port Size	Nose	Gauge Ports	Bypass	Use With
50004	Aluminum	Single Adaptor	1" NPT	1 3/8"-12 UNF	NO	NO	25 Series

NOTE: See adaptor page for additional details.

# 30 SERIES *spin-on filter*



**Thread: 1 1/2"-16**

**Maximum Working Pressure:**

225 psi / 1551 kPa / 15.5 bar

**Maximum  $\Delta P$  : (differential pressure)**

25 psid / 172 kPa / 1.7 bar

**Flow Range:**

25 gpm / 94 lpm

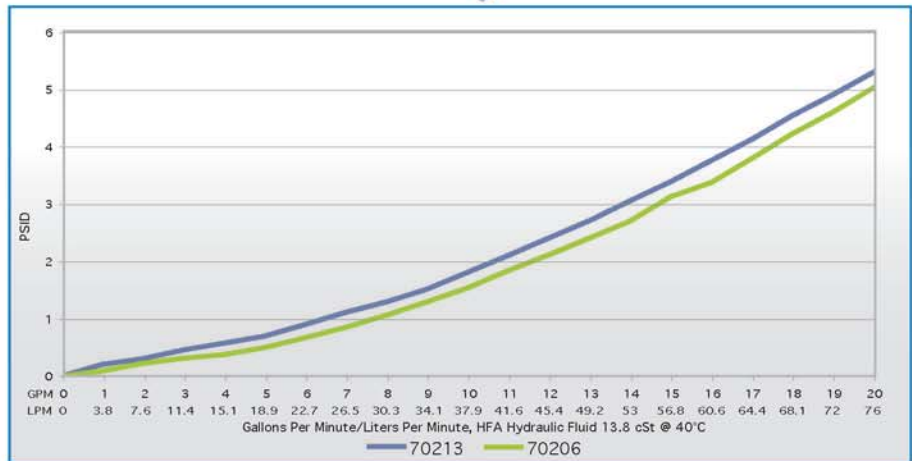
## Application

- Water and particulate removal for industrial in-plant equipment, lube systems and return line hydraulic systems
- Compatible with lube oils, gear oils and most synthetic fluids

## Design Features

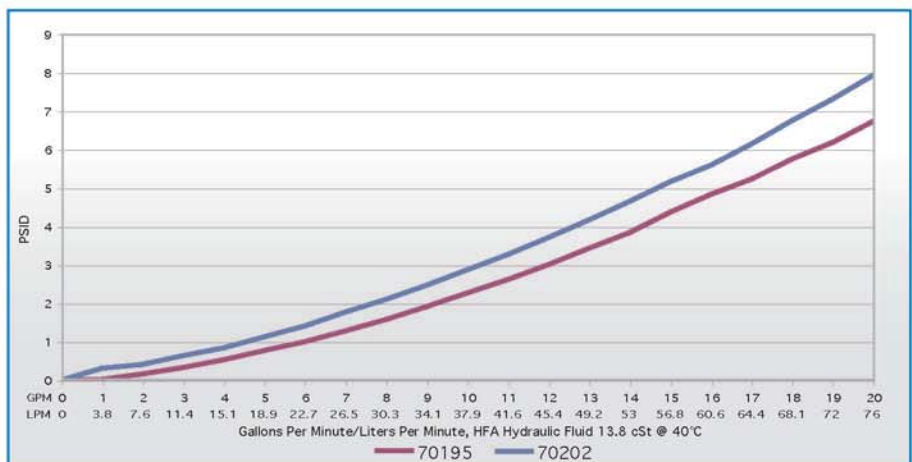
- Microglass High-Performance media available for particulate removal
- Equivalent to OEM filters
- Variety of filtration ratios available
- Hydrosorb® and Hydroglass media available designed to absorb free water and remove particulates

## Flow vs. Pressure



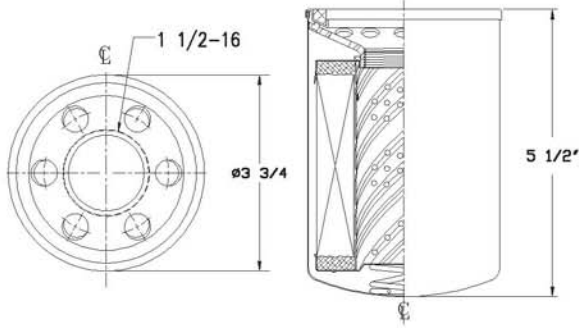
## Benefits

- Contamination from water minimized with Hydrosorb® media and Hydroglass media
- Longer filter life with extended length filters
- Fewer change-outs
- Variety of filtration efficiencies to meet your system requirements

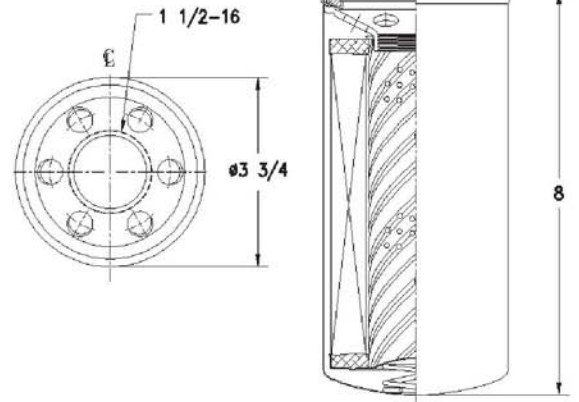


## Filter Dimensions

All dimensions are shown in inches



30 Series Standard Length



30 Series Extended Length

## Filtration Ratios

### Cellulose Resin-Impregnated Media

P/N	Thread	Length	Width	Bypass	Working Pressure	$\beta_x=2$	$\beta_4=x$	$\beta_6=x$	$\beta_{14}=x$	$\beta_x=75$	$\beta_x=200$	$\beta_x=500$
70195	1 1/2"-16	5 1/2"	3 3/4"	N/A	225	<4	2	3	34	17	28	>50
70206	1 1/2"-16	8"	3 3/4"	N/A	225	<4	2	3	34	17	28	>50

### High-Performance Microglass Media

70201	1 1/2"-16	5 1/2"	3 3/4"	N/A	225	<6	10	46	7000	7	12	12
70202	1 1/2"-16	5 1/2"	3 3/4"	N/A	225	<4	6	19	500	9	10	14
70213	1 1/2"-16	8"	3 3/4"	N/A	225	<4	10	46	7000	7	10	12

### Hydrosorb® Water Removal Media

70198	1 1/2"-16	5 1/2"	3 3/4"	N/A	225	<14	-	-	5	24	27	29
70209	1 1/2"-16	8"	3 3/4"	N/A	225	<14	-	-	5	24	27	29

### Hydroglass High-Performance Water Removal Media

70215	1 1/2"-16	8"	3 3/4"	N/A	225	4	2	4	-	9	12	11
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### Wire Mesh Media – 144 Micron

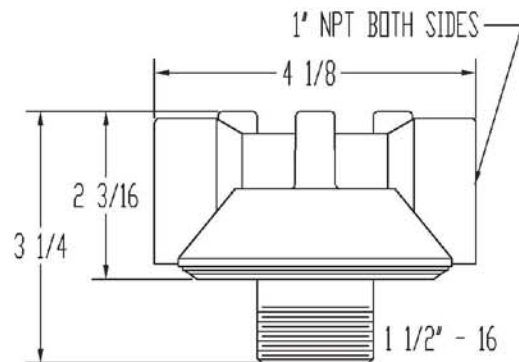
70279	1 1/2"-16	5 1/2"	3 3/4"	N/A	225	-	-	-	-	-	-	-
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Note: 1. Filters are not to be used with aviation applications. 2. Specifications are subject to change without notice.

## Adaptor Dimensions

All dimensions are shown in inches

The 30 Series Spin-on filters have a 1 1/2"-16 thread which requires the #50032 adaptor.



Part #50032

## Adaptor Dimensions

Part No.	Material	Description	Port Size	Nose	Gauge Ports	Bypass	Use With
50032	Aluminum	Single Adaptor	1" NPT	1 1/2"-16 UNF	NO	NO	30 Series

NOTE: See adaptor page for additional details.

# 40 SERIES *spin-on filter*



**Thread: 1 1/2"-16**

**Maximum Working Pressure:**

100 psi / 689 kPa / 6.9 bar

**Maximum  $\Delta P$  : (differential pressure)**

25 psid / 172 kPa / 1.7 bar

**Flow Range:**

40 gpm / 151 lpm

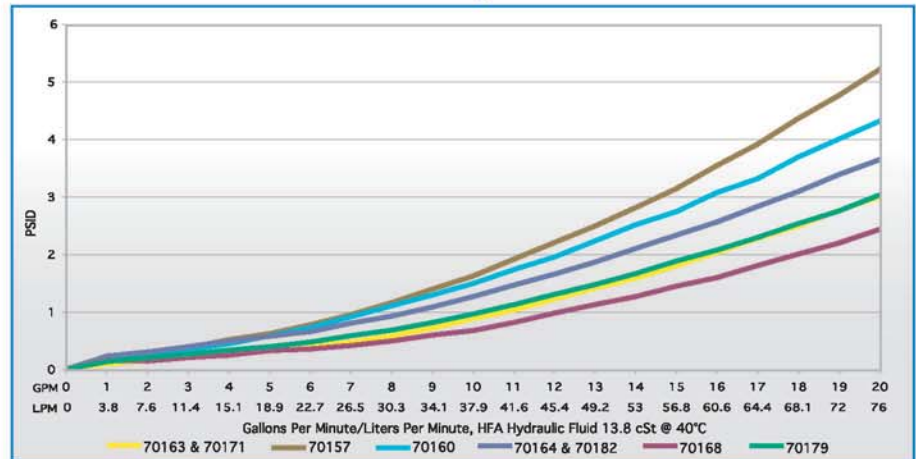
## Application

- Water and particulate removal for industrial in-plant equipment, lube systems and return line hydraulic systems
- Compatible with lube oils, gear oils and most synthetic fluids

## Design Features

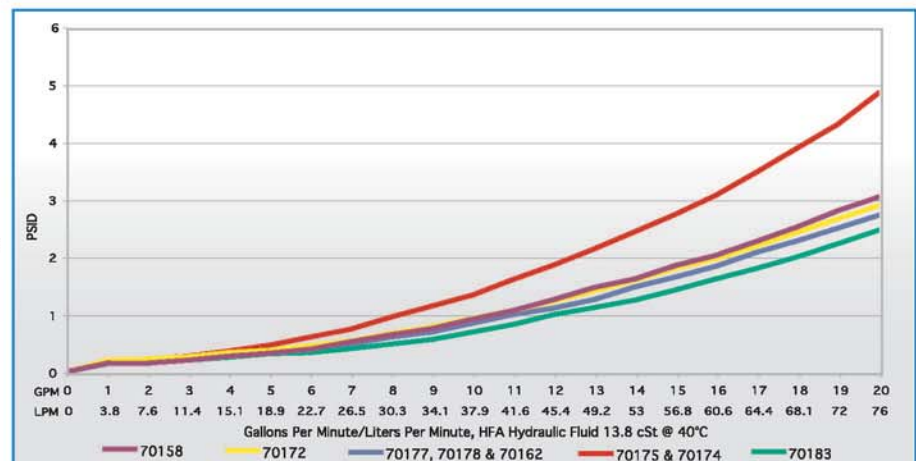
- Microglass High-Performance media available for particulate removal
- Equivalent to OEM filters
- Variety of filtration ratios available
- Hydrosorb® and Hydroglass media available designed to absorb free water and remove particulates
- Pressure activated bypass available (in mounting adaptor)

## Flow vs. Pressure



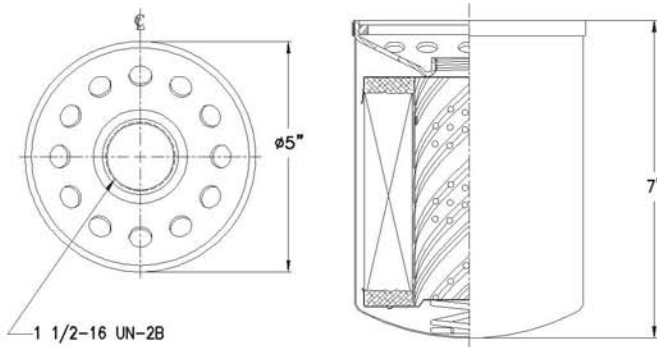
## Benefits

- Contamination from water minimized with Hydrosorb® media and Hydroglass media
- Longer filter life with extended length filters
- Fewer change-outs
- Variety of filtration efficiencies to meet your system requirements

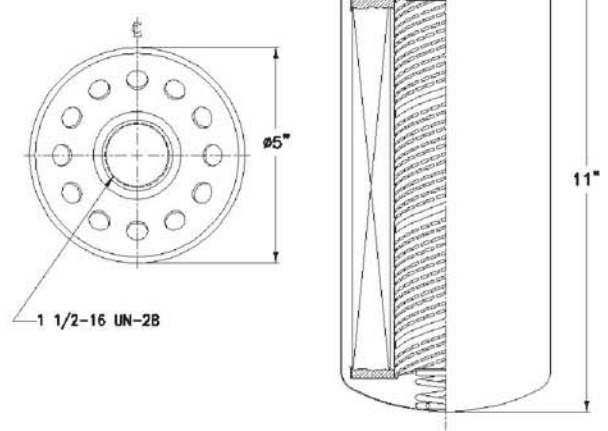


# Filter Dimensions

All dimensions are shown in inches



40 Series Standard Length



40 Series Extended Length

# Filtration Ratios

Cellulose Resin-Impregnated Media													
P/N	Thread	Length	Width	Bypass	Working Pressure	$\beta_{x=2}$	$\beta_{4=x}$	$\beta_{6=x}$	$\beta_{14=x}$	$\beta_{x=75}$	$\beta_{x=200}$	$\beta_{x=500}$	
70157	1 1/2"-16	7"	5"	Adaptor	100	<4	2	3	34	17	28	>50	
70158	1 1/2"-16	7"	5"	Adaptor	100	10	-	-	3	33	37	46	
70171	1 1/2"-16	11"	5"	Adaptor	100	<4	2	3	34	17	28	>50	
70172	1 1/2"-16	11"	5"	Adaptor	100	10	-	-	3	33	37	46	
High-Performance Microglass Media													
70162	1 1/2"-16	7"	5"	Adaptor	100	6	-	2	500	12	13	14	
70163	1 1/2"-16	7"	5"	Adaptor	100	<6	6	19	500	9	12	14	
70164	1 1/2"-16	7"	5"	Adaptor	100	<4	10	46	7000	7	10	12	
70177	1 1/2"-16	11"	5"	Adaptor	100	6	-	2	500	12	13	14	
70178	1 1/2"-16	11"	5"	Adaptor	100	<6	6	19	500	9	12	14	
70179	1 1/2"-16	11"	5"	Adaptor	100	<4	10	46	7000	7	10	12	
Hydrosorb® Water Removal Media													
70160	1 1/2"-16	7"	5"	Adaptor	100	<14	-	-	5	24	27	29	
70174	1 1/2"-16	11"	5"	Adaptor	100	<14	-	-	5	24	27	29	
Hydroglass Media High-Performance Water Removal Media													
70182	1 1/2"-16	11"	5"	Adaptor	100	4	2	4	-	9	12	11	
Wire Mesh Media - 144 Micron													
70168	1 1/2"-16	7"	5"	Adaptor	100	-	-	-	-	-	-	-	
70183	1 1/2"-16	11"	5"	Adaptor	100	-	-	-	-	-	-	-	

Note: 1. Filters are not to be used with aviation applications. 2. Specifications are subject to change without notice.

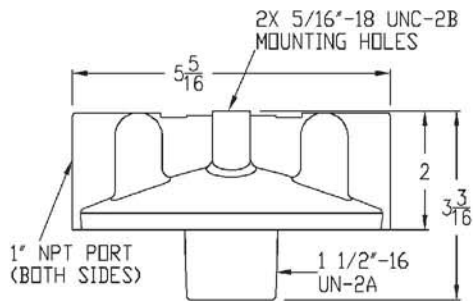
See next page for 40 Series adaptors

# 40 SERIES adaptors

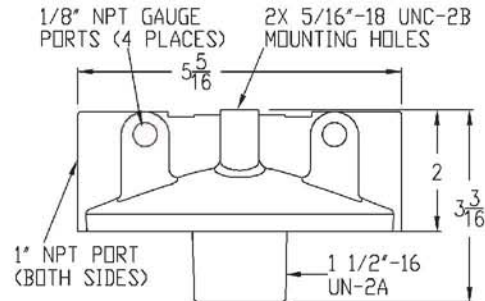
The 40 Series Spin-On Filter is accessorized with a selection of adaptors for a variety of applications. Gauge ports and bypass valves are available to customize each application.

## Adaptor - Side View

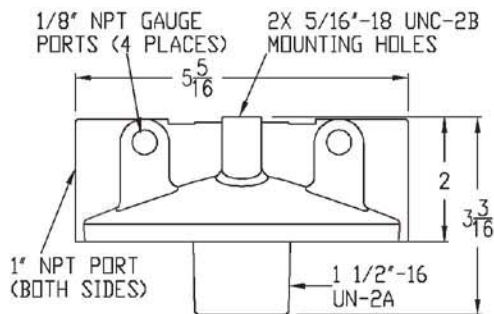
All dimensions are shown in inches



**Part #50109**

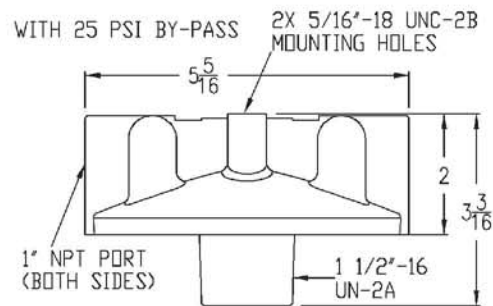


**Part #50110**

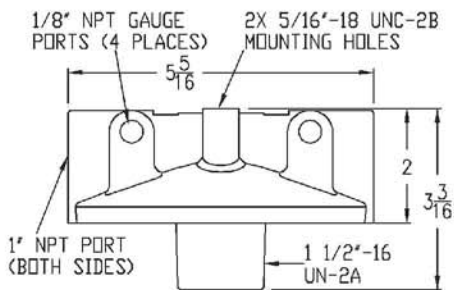


WITH 3 PSI BY-PASS

**Part #50113**

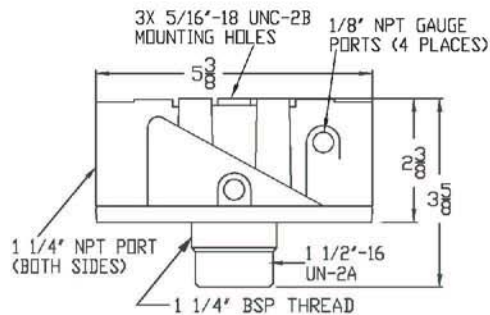


**Part #50115**



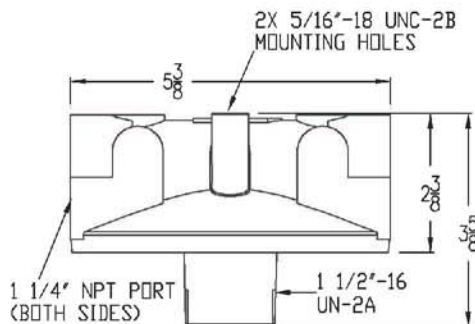
WITH 25 PSI BY-PASS

**Part #50116**

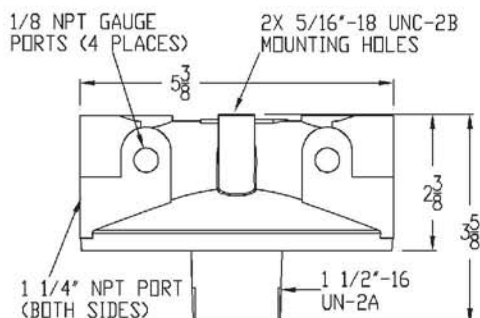


25 PSI BY-PASS VALVE

**Part #50134**



**Part #50136**



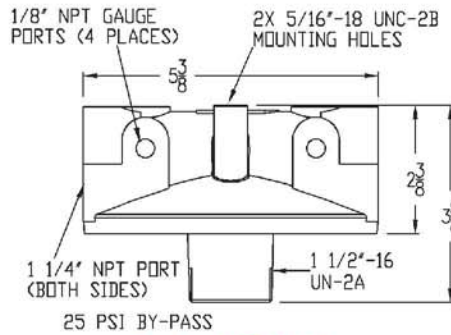
**Part #50137**



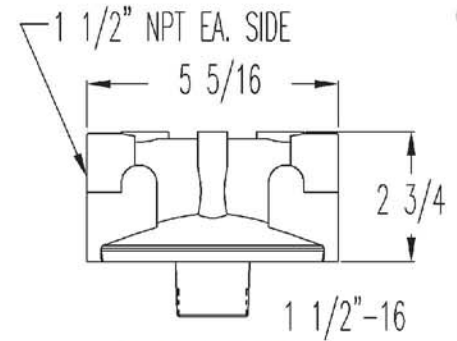
# Adaptor - Side View

All dimensions are shown in inches

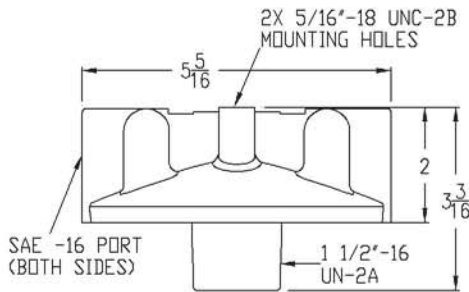
The 40 Series Spin-On filters can be accessorized with single or dual adaptors that will fit most applications.



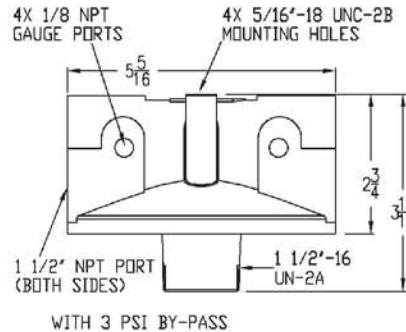
Part #50143



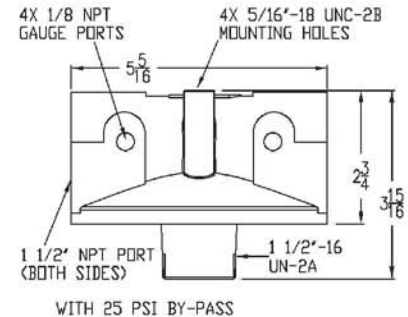
Part #50163



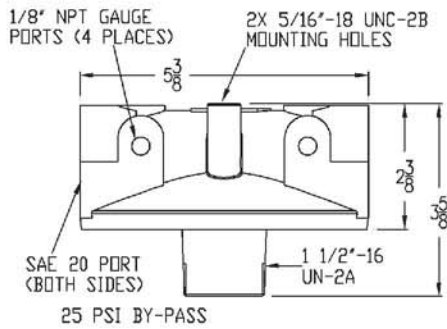
Part #50187



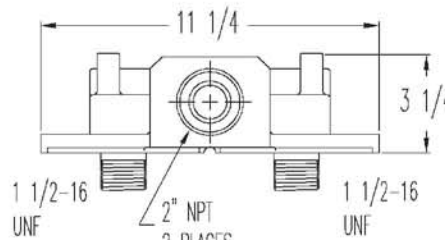
Part #50167



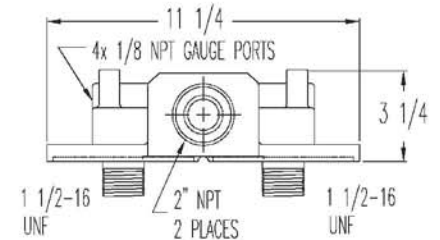
Part #50170



Part #50203



Part #50011



Part #50028

## Adaptor Dimensions

Part No.	Material	Description	Port Size	Nose	Gauge Ports	Bypass	Use With
50109	Aluminum	Single Adaptor	1" NPT	1 1/2"-16 UNF	NO	NO	40 Series
50110	Aluminum	Single Adaptor	1" NPT	1 1/2"-16 UNF	YES	NO	40 Series
50113	Aluminum	Single Adaptor	1" NPT	1 1/2"-16 UNF	YES	3#	40 Series
50115	Aluminum	Single Adaptor	1" NPT	1 1/2"-16 UNF	NO	25#	40 Series
50116	Aluminum	Single Adaptor	1" NPT	1 1/2"-16 UNF	YES	25#	40 Series
50134	Aluminum	Single Adaptor	1 1/4" NPT	1 1/2"-16 UNF, 1 1/4" BSP	YES	25#	40 & 41 Series
50136	Aluminum	Single Adaptor	1 1/4" NPT	1 1/2"-16 UNF	NO	NO	40 Series
50137	Aluminum	Single Adaptor	1 1/4" NPT	1 1/2"-16 UNF	YES	NO	40 Series
50143	Aluminum	Single Adaptor	1 1/4" NPT	1 1/2"-16 UNF	YES	25#	40 Series
50163	Aluminum	Single Adaptor	1 1/2" NPT	1 1/2"-16 UNF	NO	NO	40 Series
50187	Aluminum	Single Adaptor	SAE 16	1 1/2"-16 UNF	NO	NO	40 Series
50167	Aluminum	Single Adaptor	1 1/2" NPT	1 1/2"-16 UNF	YES	3#	40 Series
50170	Aluminum	Single Adaptor	1 1/2" NPT	1 1/2"-16 UNF	YES	25#	40 Series
50203	Aluminum	Single Adaptor	SAE 20	1 1/2"-16 UNF	YES	25#	40 Series
50011	Aluminum	Dual Adaptor	2" NPT	1 1/2"-16 UNF	NO	NO	40 Series
50028	Aluminum	Dual Adaptor	2" NPT	1 1/2"-16 UNF	YES	NO	40 Series

NOTE: See adaptor page for additional details..

# 41 SERIES *spin-on filter*

**Thread: 1 1/4"-11 BSP**

**Maximum Working Pressure:**

100 psi / 689 kPa / 6.9 bar

**Maximum  $\Delta P$  : (differential pressure)**

25 psid / 172 kPa / 1.7 bar

**Flow Range:**

40 gpm / 151 lpm

## Application

- Water and particulate removal for industrial in-plant equipment, lube systems and return line hydraulic systems
- Compatible with lube oils, gear oils and most synthetic fluids

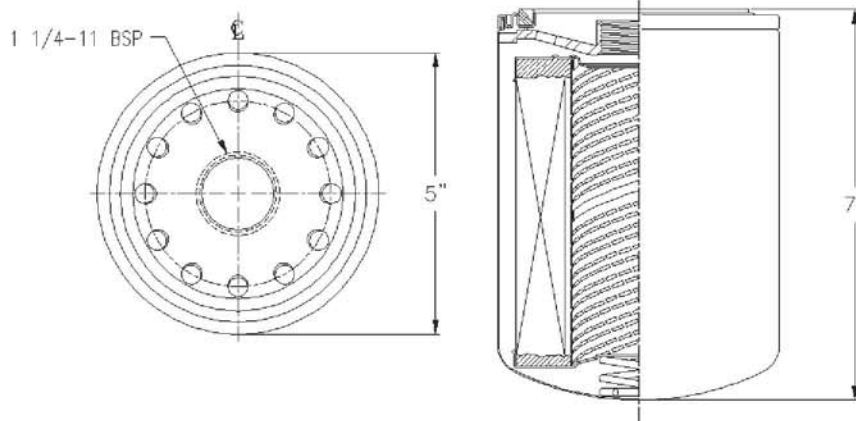


## Design Features

- Microglass High-Performance media available for particulate removal
- Equivalent to OEM filters
- Variety of filtration ratios available
- Hydrosorb® and Hydroglass media available designed to absorb free water and remove particulates

## Filter Dimensions

All dimensions are shown in inches



*41 Series Standard Length*

## Benefits

- Contamination from water minimized with Hydrosorb® media and Hydroglass media
- Longer filter life with extended length filters
- Fewer change-outs
- Variety of filtration efficiencies to meet your system requirements
- Easy to Install

# Filtration Ratios

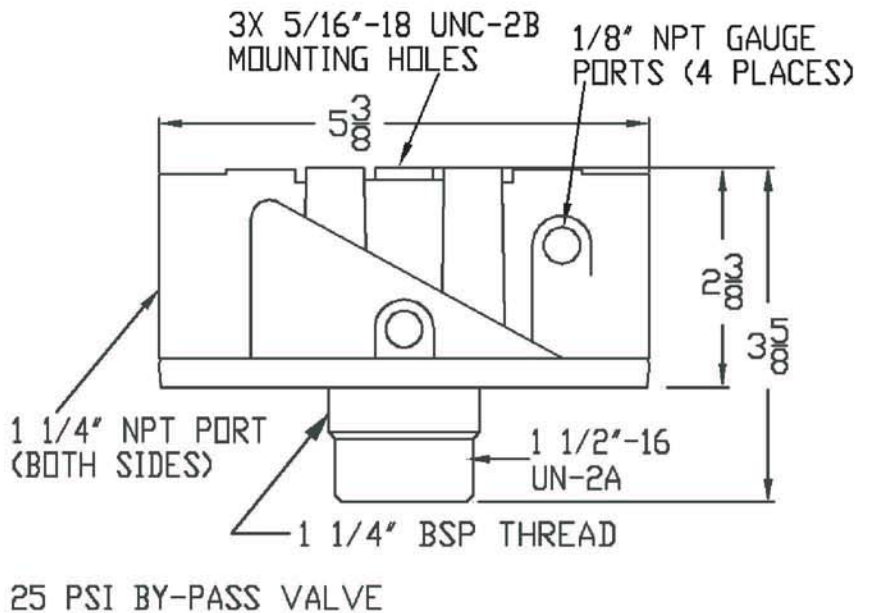
Cellulose Resin-Impregnated Media													
P/N	Thread	Length	Width	Bypass	Working Pressure	$\beta_{x=2}$	$\beta_{4=x}$	$\beta_{6=x}$	$\beta_{14=x}$	$\beta_{x=75}$	$\beta_{x=200}$	$\beta_{x=500}$	
70239	1 1/4"-11BSP	7"	5"	Adaptor	100	<4	2	3	34	17	28	>50	
High-Performance Microglass Media													
70345	1 1/4"-11BSP	11"	5"	Adaptor	100	6	-	2	500	12	13	14	
70348	1 1/4"-11BSP	7"	5"	Adaptor	100	6	-	2	500	12	13	14	
Hydrosorb® Water Removal Media													
70242	1 1/4"-11BSP	7"	5"	Adaptor	100	<14	-	-	5	24	27	29	
Hydroglass High-Performance Water Removal Media													
70349	1 1/4"-11BSP	7"	5"	Adaptor	100	4	2	4	-	9	12	11	
Wire Mesh Media – 144 Micron													
70350	1 1/4"-11BSP	7"	5"	Adaptor	100	-	-	-	-	-	-	-	

Note: 1. Filters are not to be used with aviation applications. 2. Specifications are subject to change without notice.

## Adaptor Dimensions

All dimensions are shown in inches

The Adaptor Part #50134 has a dual thread design that will work with 1 1/4"-11 BSP connection in addition to the 1 1/2"-16.



Adaptor Part #50134

## Adaptor Dimensions

P/N	Material	Description	Port Size	Nose	Gauge Ports	Bypass	Use With
50134	Aluminum	Single Adaptor	1 1/4" NPT	1 1/2"-16 UNF & 1 1/4"-11 BSP	YES	25#	41 Series

NOTE: See adaptor page for additional details..

# 50 SERIES *spin-on filter*

**Thread: 1"-14**

**Maximum Working Pressure:**

175 psi / 1206 kPa / 12.1 bar

**Maximum  $\Delta P$  : (differential pressure)**

25 psid / 172 kPa / 1.7 bar

**Flow Range:**

22 gpm / 83 lpm

## Application

- Water and particulate removal for industrial in-plant equipment, lube systems and return line hydraulic systems
- Compatible with lube oils, gear oils and most synthetic fluids

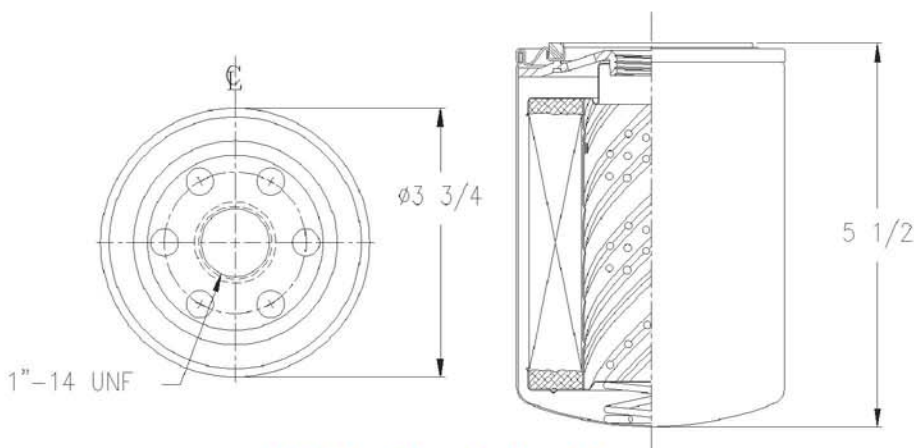


## Design Features

- Microglass High-Performance media available for particulate removal
- Equivalent to OEM filters
- Variety of filtration ratios available
- Hydrosorb® and Hydroglass media available designed to absorb free water and remove particulates

## Filter Dimensions

All dimensions are shown in inches



## Benefits

- Contamination from water minimized with Hydrosorb® media and Hydroglass media
- Longer filter life with extended length filters
- Fewer change-outs
- Variety of filtration efficiencies to meet your system requirements

**50 Series Standard Length**

# Filtration Ratios

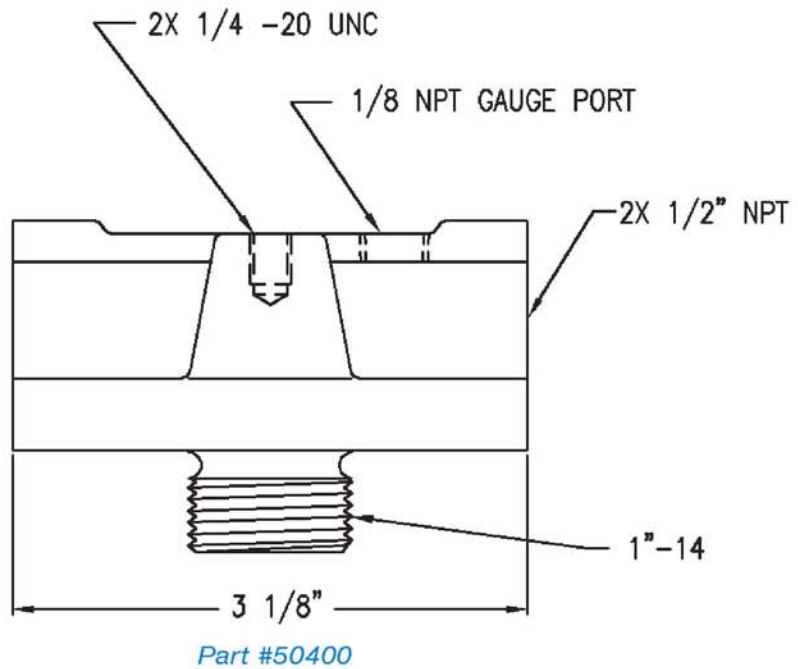
<i>Cellulose Resin-Impregnated Media</i>													
P/N	Thread	Length	Width	Bypass	Working Pressure	$\beta_x=2$	$\beta_4=x$	$\beta_6=x$	$\beta_{14}=x$	$\beta_x=75$	$\beta_x=200$	$\beta_x=500$	
70377	1"-14	8 11/16"	3 3/4"	NO	175	<4	58	135	227	4.5	10	>50	
70395	1"-14	5 1/2"	3 3/4"	NO	175	<4	2	3	34	17	28	>50	
70396	1"-14	5 1/2"	3 3/4"	NO	175	10	-	-	3	33	37	46	
<i>High-Performance Microglass Media</i>													
70378	1"-14	8 11/16"	3 3/4"	NO	175	<4	10	46	700	7	10	12	
70397	1"-14	5 1/2"	3 3/4"	NO	175	6	-	2	500	12	13	14	
<i>Hydrosorb® Water Removal Media</i>													
70379	1"-14	8 11/16"	3 3/4"	NO	175	<14	-	-	5	24	27	29	
<i>Hydroglass High-Performance Water Removal Media</i>													
70380	1"-14	8 11/16"	3 3/4"	NO	175	4	2	4	-	9	12	11	
<i>Wire Mesh Media – 144 Micron</i>													
70398	1"-14	5 1/2"	3 3/4"	NO	175	-	-	-	-	-	-	-	

Note: 1. Filters are not to be used with aviation applications. 2. Specifications are subject to change without notice.

## Adaptor Dimensions

All dimensions are shown in inches

The Adaptor Part # 50400 is equipped with a gauge port.



## Adaptor Dimensions

P/N	Material	Description	Port Size	Nose	Gauge Port	Bypass	Use With
50400	Cast Iron	Single Adaptor	1/2" NPT	1"-14 UNF	YES	NO	50 Series

NOTE: See adaptor page for additional details..

# COMPRESSOR replacement filters



**Maximum Working Pressure:**  
225 psi / 1551 kPa / 15.5 bar

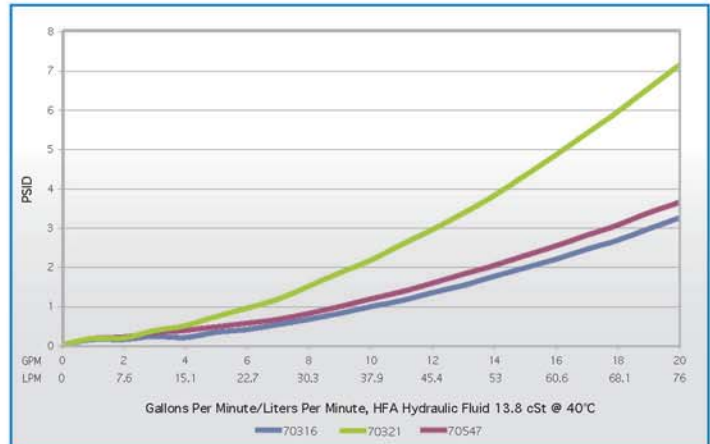
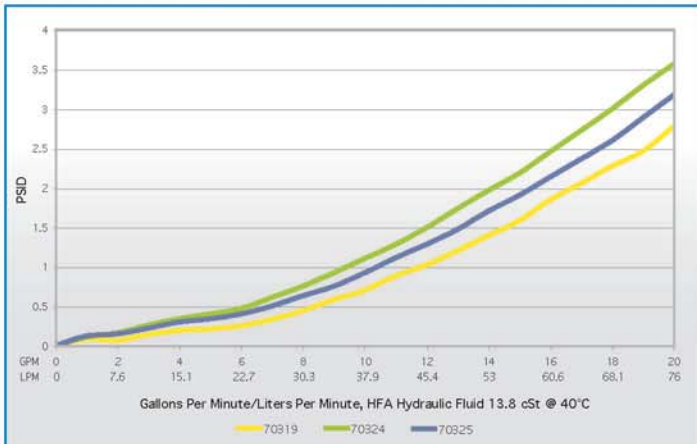
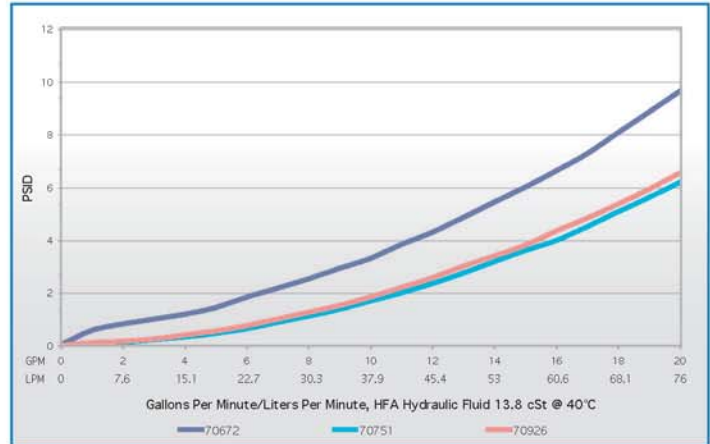
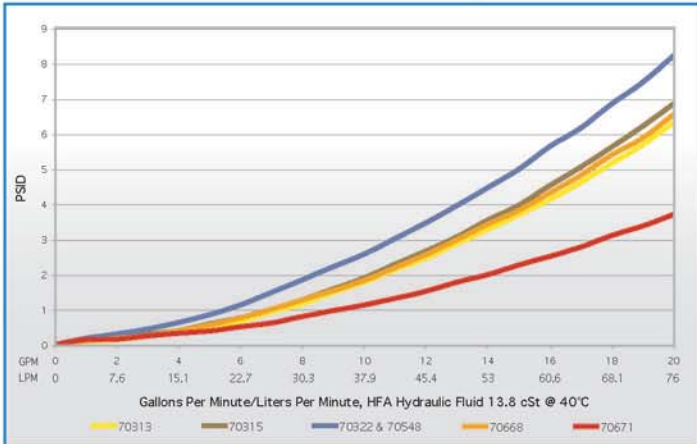
**Maximum  $\Delta P$  : (differential pressure)**  
25 psid / 172 kPa / 1.7 bar

**Maximum Flow up to:**  
40 gpm / 151 lpm

## Application

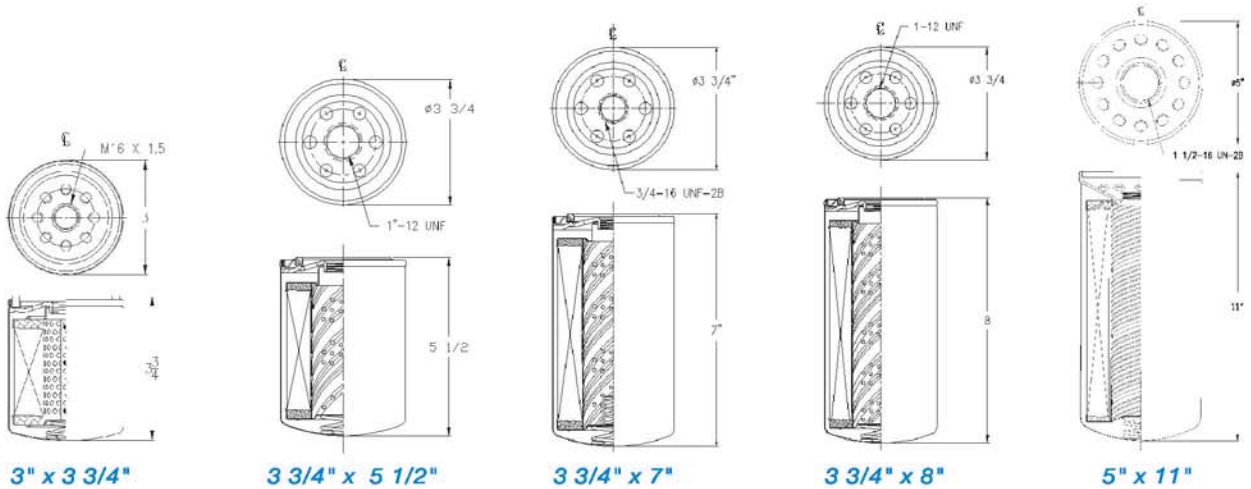
- For use on rotary screw air compressors
- Compatible with petroleum-based and most synthetic fluids

## Flow vs. Pressure



# Filter Dimensions

All dimensions are shown in inches



## Filtration Ratios

### Cellulose Resin-Impregnated Media

P/N	Thread	Length	Width	Bypass	Working Pressure	B <sub>x</sub> =2	B <sub>4</sub> =x	B <sub>6</sub> =x	B <sub>14</sub> =x	B <sub>x</sub> =75	B <sub>x</sub> =200	B <sub>x</sub> =500
70228	3/4"-16	3 3/4"	3"	18#	100	<4	-	-	34	17	28	>50
70564	3/4"-16	5 1/2"	3 3/4"	15# & AD	175	10	-	-	3	33	37	46
70669	3/4"-16	5 1/2"	3 3/4"	9# & AD	175	10	-	-	3	33	37	46
70676	3/4"-16	5 1/2"	3 3/4"	AntiDrain	175	10	-	-	3	33	37	46
70562	3/4"-16	7"	3 3/4"	30#	175	6	-	2	4	24.5	24	30
70548	1"-12	5 1/2"	3 3/4"	N/A	175	<4	2	3	34	17	28	>50
70322	1"-12	5 1/2"	3 3/4"	15#	175	<4	2	3	34	75	28	>50
70672	1"-12	5 1/2"	3 3/4"	25#	175	6	-	2	4	24.5	24	30
70315	1"-12	5 1/2"	3 3/4"	N/A	175	10	-	-	3	33	37	46
70926	1"-12	8"	3 3/4"	25#	175	6	-	2	4	24.5	24	30
70668	1"-12	8 11/16"	3 3/4"	25#	175	6	-	2	4	24.5	24	30
70313	1"-12	8 11/16"	3 3/4"	25#	175	10	-	-	3	33	37	46
70751	1"-12	8 11/16"	3 3/4"	30#	175	10	-	-	3	33	37	46
70326	1 1/4"-12	5 1/2"	3 3/4"	15#	175	<4	2	3	34	17	28	>50
70781	1 1/4"-12	5 1/2"	3 3/4"	N/A	175	<4	2	3	34	17	28	>50
70673	1 1/4"-12	5 1/2"	3 3/4"	N/A	175	10	-	-	3	33	37	46
70321	1 1/4"-12	8 11/16"	3 3/4"	N/A	175	<4	2	3	34	17	28	>50
70551	1 1/4"-12	8 11/16"	3 3/4"	N/A	175	10	-	-	3	33	37	46
70671	1 1/2"-16	7"	5"	N/A	100	10	-	-	3	33	37	46
70547	1 1/2"-16	7"	5"	N/A	100	<4	2	3	34	17	28	>50
70316	1 1/2"-16	11"	5"	N/A	100	<4	2	3	34	17	28	>50
70670	M16-1.5	3 3/4"	3"	15#	100	10	-	-	3	33	37	46

### High-Performance Microglass Media

70323	.970"-20	5 1/2"	3 3/4"	N/A	175	<6	6	19	500	9	12	14
70317	.970"-20	5 1/2"	3 3/4"	N/A	175	6	-	2	500	12	13	14
70320	.970"-20	5 1/2"	3 3/4"	25#	175	6	-	2	500	12	13	14
70324	1 1/4"-11 BSP	7"	5"	N/A	100	<6	6	19	500	9	12	14
70318	1 1/4"-11 BSP	7"	5"	N/A	100	6	-	2	500	12	13	14
70325	1 1/4"-11 BSP	11"	5"	N/A	100	<6	6	19	500	9	12	14
70319	1 1/4"-11 BSP	11"	5"	N/A	100	6	-	2	500	12	13	14
70739	M20-1.5	5 1/2"	3 3/4"	15#	175	6	-	2	500	12	13	14
70311	M38 STD	5 1/2"	3 3/4"	N/A	225	<6	6	19	500	9	12	14
70312	M38 STD	8"	3 3/4"	N/A	225	<6	6	19	500	9	12	14

### Hydrosorb® Water Removal Media


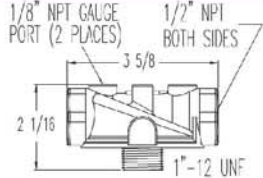
70437	.970"-20	5 1/2"	3 3/4"	N/A	175	<14	-	-	5	24	27	29
70430	3/4"-16	3 3/4"	3"	N/A	100	<14	-	-	5	24	27	29
70431	1"-12	5 1/2"	3 3/4"	N/A	175	<14	-	-	5	24	27	29
70432	1"-12	8 11/16"	3 3/4"	N/A	175	<14	-	-	5	24	27	29
70433	1 1/4"-12	5 1/2"	3 3/4"	N/A	175	<14	-	-	5	24	27	29
70434	1 1/4"-12	8 11/16"	3 3/4"	N/A	175	<14	-	-	5	24	27	29
70438	1 1/4"-11 BSP	7"	5"	N/A	100	<14	-	-	5	24	27	29
70435	1 1/2"-16	7"	3 3/4"	N/A	175	<14	-	-	5	24	27	29
70436	M16- 1.5	3 3/4"	3"	15#	100	<14	-	-	5	24	27	29
70439	M20-1.5	5 1/2"	3 3/4"	N/A	175	<14	-	-	5	24	27	29

Note: 1. Filters are not to be used with aviation applications. 2. Specifications are subject to change without notice.


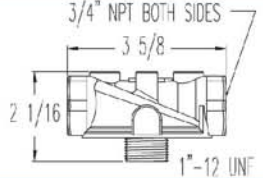

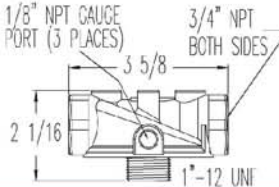

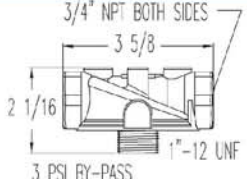

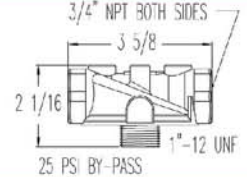

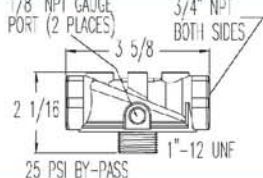
# INDUSTRIAL ADAPTORS

Adaptors below fit standard and extended length industrial filters.

## 1/2" NPT Inlet/Outlet Ports


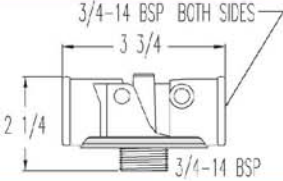
Part No.	Adaptor	Description	Dimensions
<b>50244</b>		Material: Aluminum Adaptor Used on: 20 Series Inlet/Outlet ports: 1/2" NPT Nose outside thread: 1"-12 UNF Bypass: No Gauge Ports: Yes Indicator: No	

## 3/4" NPT Inlet/Outlet Ports


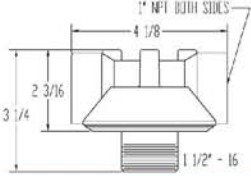

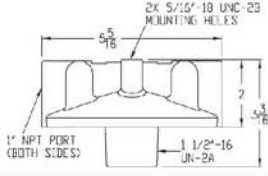

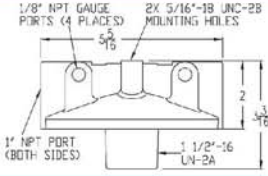

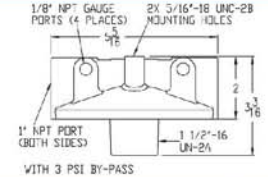

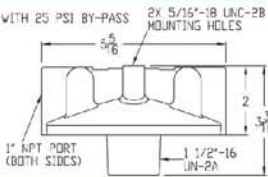

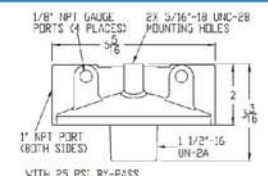
Part No.	Adaptor	Description	Dimensions
<b>50181</b>		Material: Aluminum adaptor Used on: 20 Series Inlet/Outlet ports: 3/4" NPT Nose outside thread: 1"-12 UNF Bypass: No Gauge Ports: No Indicator: No	
<b>50182</b>		Material: Aluminum adaptor Used on: 20 Series Inlet/Outlet ports: 3/4" NPT Nose outside thread: 1"-12 UNF Bypass: No Gauge Ports: Yes Indicator: No	
<b>50183</b>		Material: Aluminum adaptor Used on: 20 Series Inlet/Outlet ports: 3/4" NPT Nose outside thread: 1"-12 UNF Bypass: 3 PSI Gauge Ports: No Indicator: No	
<b>50185</b>		Material: Aluminum adaptor Used on: 20 Series Inlet/Outlet ports: 3/4" NPT Nose outside thread: 1"-12 UNF Bypass: 25 PSI Gauge Ports: No Indicator: No	
<b>50186</b>		Material: Aluminum adaptor Used on: 20 Series Inlet/Outlet ports: 3/4" NPT Nose outside thread: 1"-12 UNF Bypass: 25 PSI Gauge Ports: Yes Indicator: No	




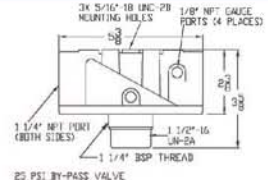
## 3/4" BSP Inlet/Outlet Ports

<i>Part No.</i>	<i>Adaptor</i>	<i>Description</i>	<i>Dimensions</i>
<b>50261</b>		Material: Aluminum adaptor Used on: 23 Series Inlet/Outlet ports: 3/4"-14" BSP Nose outside thread: 3/4"-14" BSP Bypass: No Gauge Ports: No Indicator: No	


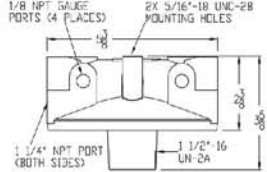

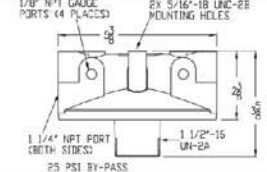

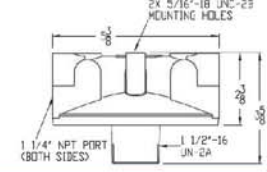
## 1" NPT Inlet/Outlet Ports

<i>Part No.</i>	<i>Adaptor</i>	<i>Description</i>	<i>Dimensions</i>
<b>50032</b>		Material: Aluminum adaptor Used on: 30 Series Inlet/Outlet ports: 1" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: No Gauge Ports: No Indicator: No	
<b>50109</b>		Material: Aluminum adaptor Used on: 40 Series Inlet/Outlet ports: 1" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: No Gauge Ports: No Indicator: No	
<b>50110</b>		Material: Aluminum adaptor Used on: 40 Series Inlet/Outlet ports: 1" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: No Gauge Ports: Yes Indicator: No	
<b>50113</b>		Material: Aluminum adaptor Used on: 40 Series Inlet/Outlet ports: 1" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: 3 PSI Gauge Ports: Yes Indicator: No	
<b>50115</b>		Material: Aluminum adaptor Used on: 40 Series Inlet/Outlet ports: 1" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: 25 PSI Gauge Ports: No Indicator: No	
<b>50116</b>		Material: Aluminum adaptor Used on: 40 Series Inlet/Outlet ports: 1" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: 25 PSI Gauge Ports: Yes Indicator: No	

## 1 1/4" NPT Inlet/Outlet Ports

<i>Part No.</i>	<i>Adaptor</i>	<i>Description</i>	<i>Dimensions</i>
<b>50134</b>		Material: Aluminum adaptor Used on: 40 Series / 41 Series Inlet/Outlet ports: 1 1/4" NPT Nose outside thread: 1 1/2"-16 UNF & 1 1/4"-11 BSP Bypass: 25 PSI Gauge Ports: Yes Indicator: No	


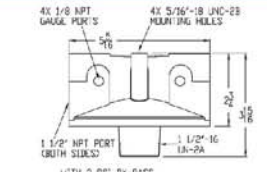

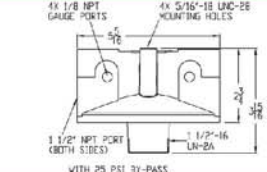

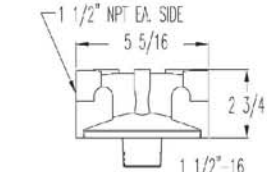
# 1 1/4" NPT Inlet/Outlet Ports Cont.

Part No.	Adaptor	Description	Dimensions
50137		Material: Aluminum Used on: 40 Series Inlet/Outlet ports: 1 1/4" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: No Gauge Ports: Yes Indicators: No	 1/8" NPT GAUGE PORTS (4 PLACES) 2X 5/16"-18 UNC-2B MOUNTING HOLES 1 1/4" NPT PORT (BOTH SIDES) 1 1/2"-16 UN-2A
50143		Material: Aluminum Used on: 40 Series Inlet/Outlet ports: 1 1/4" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: 25 PSI Gauge Ports: Yes Indicators: No	 1/8" NPT GAUGE PORTS (4 PLACES) 2X 5/16"-18 UNC-2B MOUNTING HOLES 1 1/4" NPT PORT (BOTH SIDES) 1 1/2"-16 UN-2A 25 PSI BY-PASS
50136		Material: Aluminum adaptor Used on: 40 Series Inlet/Outlet ports: 1 1/4" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: No Gauge Ports: No Indicator: No	 2X 5/16"-18 UNC-2B MOUNTING HOLES 1 1/4" NPT PORT (BOTH SIDES) 1 1/2"-16 UN-2A

# 1 5/16" NPT Inlet/Outlet Ports

Part No.	Adaptor	Description	Dimensions
50187		Material: Aluminum Used on: 40 Series Inlet/Outlet ports: SAE 16 Nose outside thread: 1 1/2"-16 UNF Bypass: No Gauge Ports: No Indicators: No	 2X 5/16"-18 UNC-2B MOUNTING HOLES SAE -16 PORT (BOTH SIDES) 1 1/2"-16 UN-2A


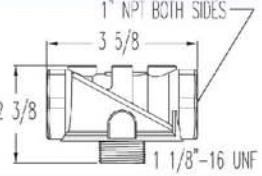
# 1 1/2" NPT Inlet/Outlet Ports

Part No.	Adaptor	Description	Dimensions
50167		Material: Aluminum Used on: 40 Series Inlet/Outlet ports: 1 1/2" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: 3 PSI Gauge Ports: Yes Indicators: No	 4X 1/8" NPT GAUGE PORTS 4X 5/16"-18 UNC-2B MOUNTING HOLES 1 1/2" NPT PORT (BOTH SIDES) 1 1/2"-16 UN-2A WITH 3 PSI BY-PASS
50170		Material: Aluminum Used on: 40 Series Inlet/Outlet ports: 1 1/2" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: 25 PSI Gauge Ports: Yes Indicators: No	 4X 1/8" NPT GAUGE PORTS 4X 5/16"-18 UNC-2B MOUNTING HOLES 1 1/2" NPT PORT (BOTH SIDES) 1 1/2"-16 UN-2A WITH 25 PSI BY-PASS
50163		Material: Aluminum Used on: 40 Series Inlet/Outlet ports: 1 1/2" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: No Gauge Ports: No Indicators: No	 1 1/2" NPT EA. SIDE 5 5/16" 2 3/4" 1 1/2"-16


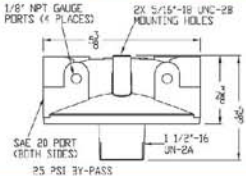
## 1 1/2" NPT Inlet/Outlet Ports Cont.

Part No.	Adaptor	Description	Dimensions
<b>50005</b>		Material: Aluminum Adaptor Used on: 20 Series Inlet/Outlet ports: 1 1/2" NPT Nose outside thread: 1"-12 UNF Bypass: No Gauge Ports: No Indicators: No	
<b>50006</b>		Material: Aluminum Dual Adaptor Used on: 20 Series Inlet/Outlet ports: 1 1/2" NPT Nose outside thread: 1"-12 UNF Bypass: No Gauge Ports: No Indicators: No	


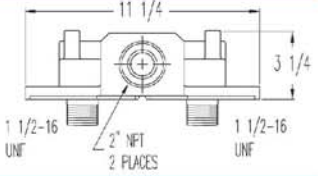

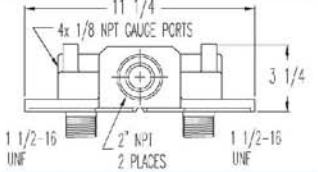
## 1" NPT Inlet/Outlet Ports

Part No.	Adaptor	Description	Dimensions
<b>50262</b>		Material: Aluminum Used on: 21 & 22 Series Inlet/Outlet ports: 1 1/2" NPT Nose outside thread: 1 1/8"-16" UNF Bypass: No Gauge Ports: No Indicators: No	


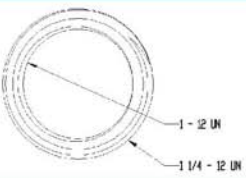
## 1 5/8" NPT Inlet/Outlet Ports

Part No.	Adaptor	Description	Dimensions
<b>50203</b>		Material: Aluminum Used on: 40 Series Inlet/Outlet ports: SAE 20 Nose outside thread: 1 1/2"-16 UNF Bypass: 25 PSI Gauge Ports: Yes Indicators: No	

## 2" NPT Inlet/Outlet Ports

Part No.	Adaptor	Description	Dimensions
<b>50011</b>		Material: Aluminum Dual Adaptor Used on: 40 Series Inlet/Outlet ports: 2" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: No Gauge Ports: No Indicators: No	
<b>50028</b>		Material: Aluminum Dual Adaptor Used on: 40 Series Inlet/Outlet ports: 2" NPT Nose outside thread: 1 1/2"-16 UNF Bypass: No Gauge Ports: Yes Indicators: No	

## Bushing

Part No.	Adaptor	Description	Dimensions
<b>90617</b>		Material: Aluminum Used on: 21 & 22 Series Inlet/Outlet ports: N/A Nose outside thread: N/A Bypass: No Gauge Ports: No Indicators: No	

# CENTURION HOUSINGS



## Maximum Working Pressure:

50 psi / 344 kPa / 3.4 bar

## Maximum $\Delta P$ : (differential pressure)

25 psid / 172 kPa / 1.7 bar

## Flow Range up to:

90 gpm / 340 lpm

## Application

- Capable of filtering industrial fluids such as lubrication oils, hydraulic oils, most synthetic oils, transformer oils, many solvents, and thinners
- Typically used in high-flow applications and bulk fluid transfer systems

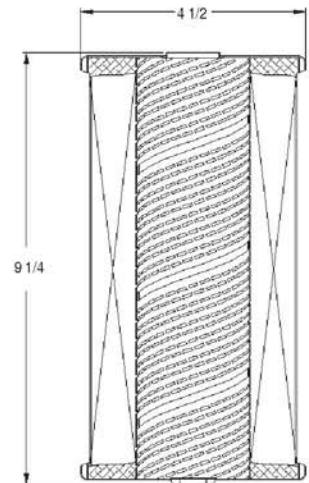
## Design Features

- Hydrosorb® water removal media available designed to absorb free water and remove particulates
- Microglass High Performance filtration media available for particulate removal and ferrous particle removal
- Variety of filtration ratios available
- Flows up to 90 gpm

## Element Dimensions

All dimensions are shown in inches

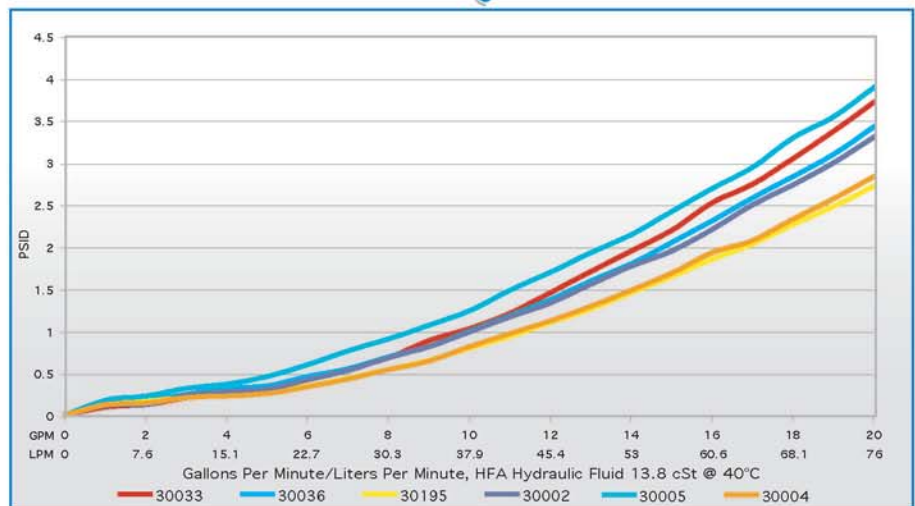
The Centurion Series filter housings are available with single housing assembly, double housing assembly, dual housing parallel flow and three element parallel flow.



## Benefits

- Drop in elements
- Staged filtration available
- Fewer change-outs
- Multiple applications
- Higher flow rates for bulk fluid transfer

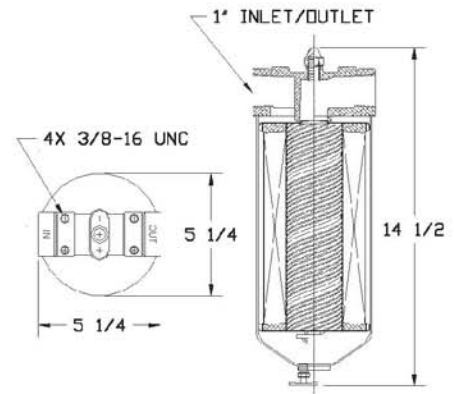
## Flow vs. Pressure



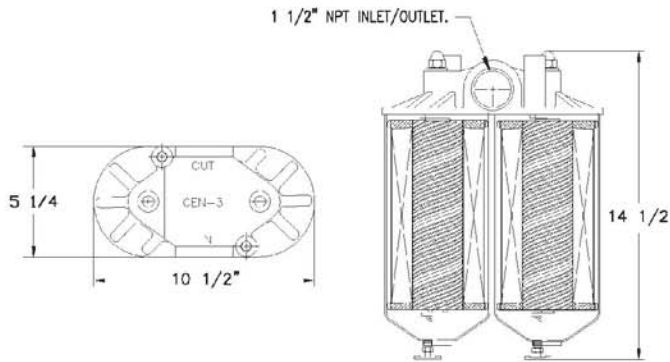
## Housing Dimensions

All dimensions are shown in inches

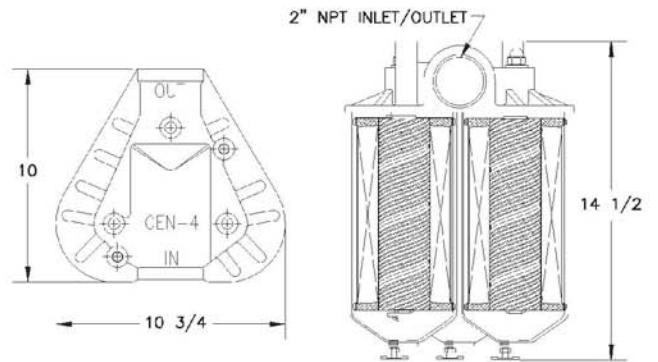
A variety of different media is available for all Centurion Housings.



Part #40001 (30 gpm)  
Centurion I Single Housing Assembly



Part #40013 (60 gpm)  
Centurion III Dual Housing Parallel Flow



Part #40020 (90 gpm)  
Centurion IV Three Element Parallel Flow

## Filtration Ratios

### Cellulose Resin-Impregnated Media

P/N	Length	Width	Working Pressure	$\beta_{x=2}$	$\beta_{4=x}$	$\beta_{6=x}$	$\beta_{14=x}$	$\beta_{x=75}$	$\beta_{x=200}$	$\beta_{x=500}$
30002	9 1/16"	4 1/2"	50	<4	2	3	34	17	28	>50
30004	9 1/16"	4 1/2"	50	10	-	-	3	33	37	46
30065	9 1/16"	4 1/2"	50	<4	58	135	227	4.5	10	>50

### Hydrosorb® Water Removal Media

30033	9 1/16"	4 1/2"	50	<14	-	-	5	24	27	29
30036	9 1/16"	4 1/2"	50	<14	-	-	5	24	27	29

### Microglass High-Performance Media

30195	9 1/16"	4 1/2"	50	6	-	2	500	12	13	14
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NOTE: 1. Centurion Elements include gaskets, washer, and filter element.  
2. All elements are not to be used with aviation applications.  
3. Specifications are subject to change without notice.

# REPLACEMENT ELEMENTS

## Maximum Working Pressure:

Up to 150 PSI / 1034 kPa / 10.3 bar

## Maximum $\Delta P$ : (differential pressure)

25 psid / 172 kPa / 1.7 bar

## Application

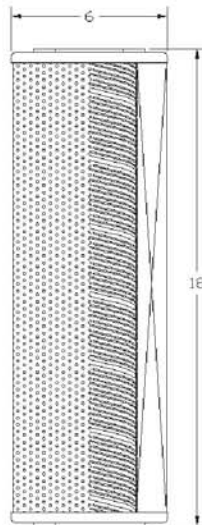
- Capable of filtering industrial fluids such as lubrication oils, hydraulic oils, most synthetic oils, transformer oils, many solvents, and thinners
- Typically used in high-flow housings and bulk fluid transfer systems
- Replacements for Viking housings and many OEM applications

## Design Features

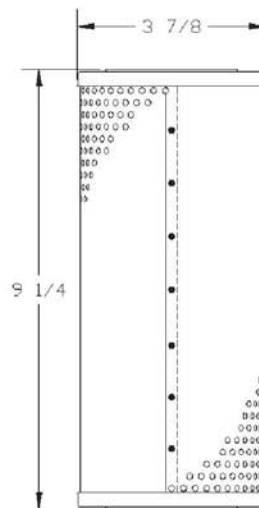
- 4 1/2"x 7" element, 3 7/8"x 9 1/4" element, and 6"x18" element available; additional sizes on request
- Microglass High-Performance filtration media available for particulate removal
- Equivalent to OEM elements
- Variety of filtration ratios available
- Hydrosorb® and Hydroglass media available designed to absorb free water and remove dirt particles

## Filter Dimensions

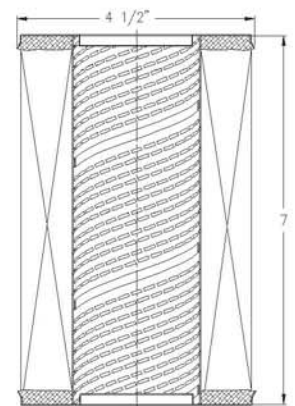
*All dimensions are shown in inches*



6" x 18"



3 7/8" x 9 1/4"



4 1/2" x 7"

## Benefits

- Interchangeable with most OEM filters
- High-Performance elements aid in the protection of your equipment
- Variety of filtration efficiencies to meet your system requirements
- Contamination from water minimized with Hydrosorb® and Hydroglass media

## Cellulose Resin-Impregnated Media

P/N	Length	Width	Gasket I.D.	Working Pressure	$\beta_{x=2}$	$\beta_{4=x}$	$\beta_{6=x}$	$\beta_{14=x}$	$\beta_{x=75}$	$\beta_{x=200}$	$\beta_{x=500}$
30066	18"	6"	2.63	150	<4	58	135	227	4.5	10	>50
30129	9 1/4"	3 7/8"	1.60	50	<4	58	135	227	4.5	10	>50
30419	18"	6"	2.63	150	<4	8	135	227	4.5	10	>50
30128	9 1/4"	3 7/8"	1.63	50	<4	2	3	34	17	28	>50
30116	9 1/4"	3 7/8"	1.94	Consult Factory	<4	2	3	34	17	28	>50
30117	9 1/4"	3 7/8"	1.94	Consult Factory	10	-	-	3	33	37	46
30008	18"	6"	2.63	150	-	-	-	-	10	-	-
30009	18"	6"	2.63	150	-	-	-	-	30	-	-
30130	9 1/4"	3 7/8"	1.63	50	10	-	-	3	33	37	46
30494	7"	4 1/2"	1.75	Consult Factory	<4	2	3	34	17	28	>50

## High-Performance Microglass Media

30204	18"	6"	2.62	150	<4	710	1693	1801	<2	<4	4
30203	18"	6"	2.62	150	<4	25	384	4840	5	5	7
30202	18"	6"	2.62	150	<4	2	3	27	18	21	25

## Hydrosorb® Water Removal Media

30034	18"	6"	2.63	150	<14	-	-	5	24	27	29
30126	9 1/4"	3 7/8"	1.63	Consult Factory	<14	-	-	5	24	27	29

## Hydroglass High-Performance Water Removal Media

30136	9 1/4"	3 7/8"	1.63	Consult Factory	4	2	4	-	9	12	11
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NOTE: 1. Elements are not to be used with aviation applications. 2. Specifications are subject to change without notice.

# VIKING high flow housings



## Maximum Working Pressure:

150 psi / 1034 kPa / 10.3 bar

## Maximum Flow Range:

500 gpm / 1892 lpm

## Application

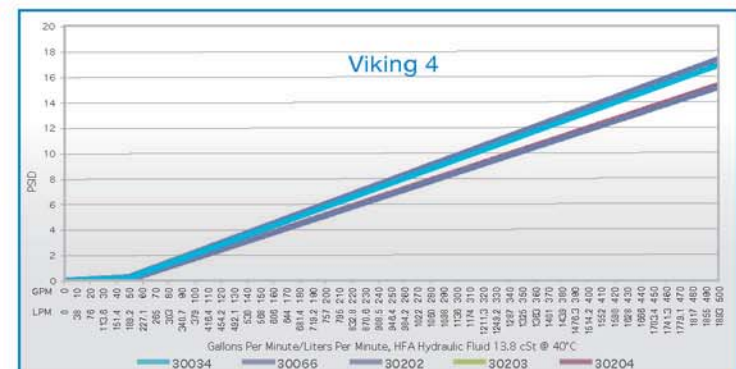
- Industrial fluids such as lubrication oils, hydraulic oils, synthetic oils, transformer oils, many solvents, thinners and most bio-based lubricants may be filtered
- Bulk fluid transfer with filtration

## Design Features

- Coated on inside and outside
- Bolted swing down lid
- Carbon Steel housing
- 1/4" ports for the optional differential pressure gauge kit
- Requires 6"x18" elements
- Available in flanged (Viking 1 & 2) or threaded

Full ASME Certification Available

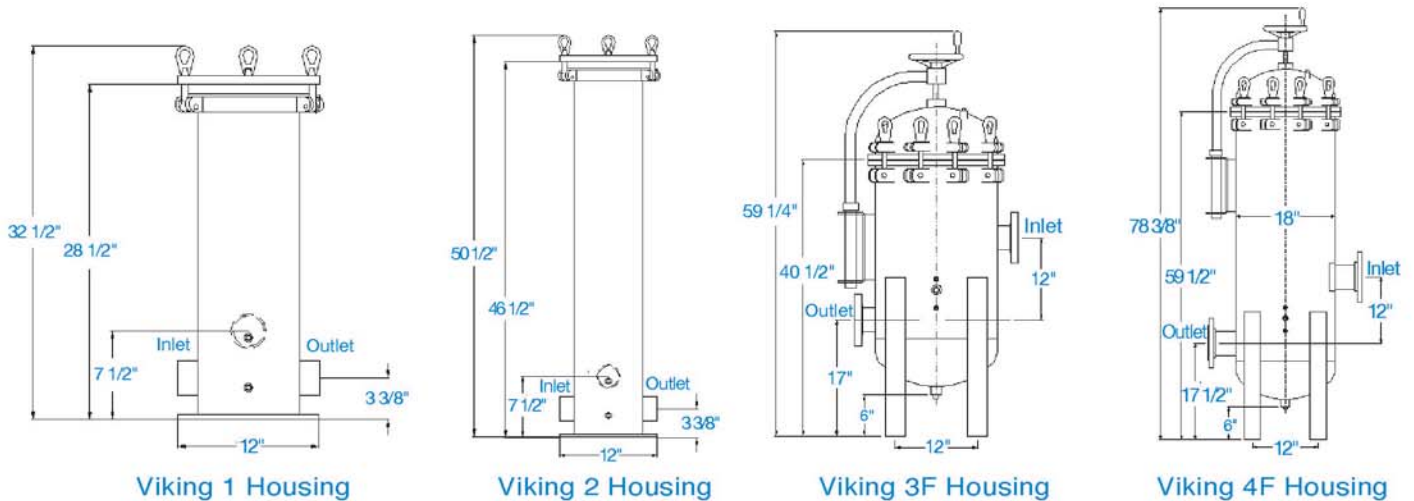
## Flow vs. Pressure





## Filter Dimensions

All dimensions are shown in inches



Part No.	Model	Description	Flow	Max. PSI	NPT
40186	Viking 1	Coated Inside/Out Carbon Steel Filter Housing	120 gpm	150	2"
40187	Viking 1F	Coated Inside/Out Carbon Steel Filter Housing	20 gpm	150	-
40188	Viking 2	Coated Inside/Out Carbon Steel Filter Housing	150 gpm	150	2"
40189	Viking 2F	Coated Inside/Out Carbon Steel Filter Housing	150 gpm	150	-
40190	Viking 3F	Coated Inside/Out Carbon Steel Filter Housing	300 gpm	150	-
40191	Viking 4F	Coated Inside/Out Carbon Steel Filter Housing	500 gpm	150	-

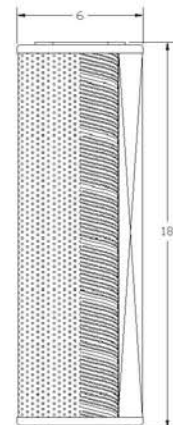
Note: Viking housings & elements are not to be used with aviation applications.

A wide range of media types in various filtration ratios are available for all applications.

## Element Options

Element(s) not included with Viking(s)

Viking 1 & 1F require one element.  
 Viking 2 & 2F require two elements.  
 Viking 3F requires four elements.  
 Viking 4F requires eight elements.



## Filtration Ratios

P/N	Length	Width	Working Pressure	Cellulose Resin-Impregnated Media							
				$\beta_x=2$	$\beta_4=x$	$\beta_6=x$	$\beta_{14}=x$	$\beta_x=75$	$\beta_x=200$	$\beta_x=500$	
30066	18"	6"	150	<4	58	135	227	4.5	10	>50	
30008	18"	6"	150	-	-	-	-	10	-	-	
30009	18"	6"	150	-	-	-	-	30	-	-	
High-Performance Microglass Media											
30204	18"	6"	150	<4	-	-	-	3	<4	4	
30203	18"	6"	150	<4	-	-	-	3	-	7	
30202	18"	6"	150	<4	-	-	-	19	21	25	
Hydrosorb® Water Removal Media											
30034	18"	6"	150	<4	-	-	5	24	27	29	

# VIKING bag housings



## Maximum Working Pressure:

150 psi / 1034 kPa / 10.3 bar

## Maximum Flow Range:

120 gpm / 454 lpm

## Application

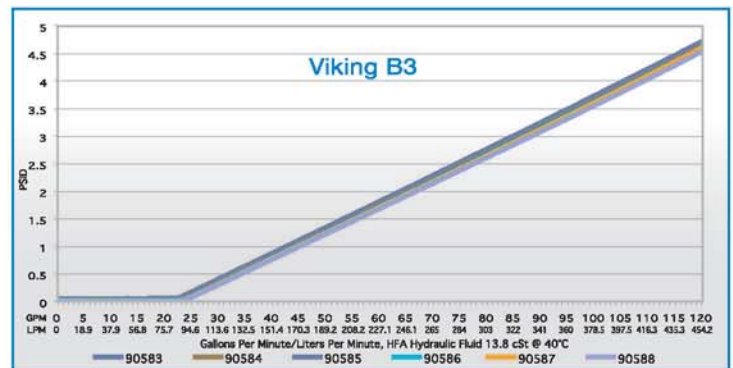
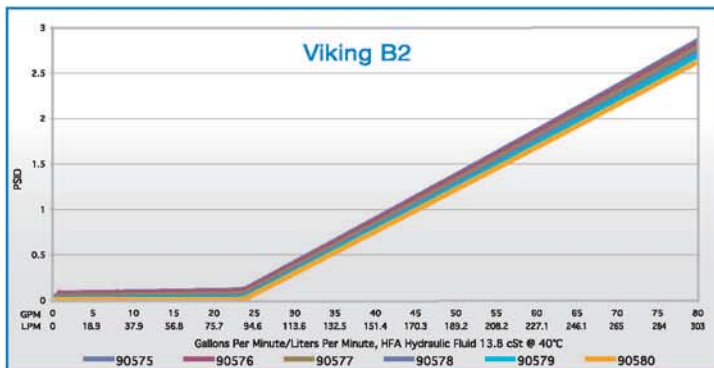
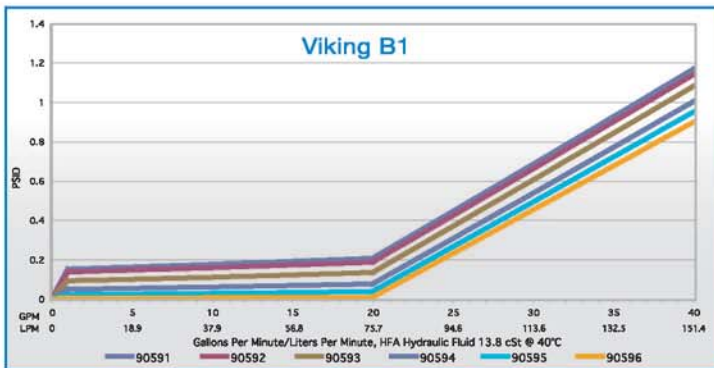
- Industrial fluids such as lubrication oils, hydraulic oils, synthetic oils, transformer oils, many solvents, thinners and most bio-based lubricants may be filtered
- Bulk fluid transfer with filtration
- Ideal for suction applications

## Design Features

- Coated on inside and outside
- Bolted swing down lid
- 150 Max PSI rating
- Carbon Steel housing
- 1/4" ports for the optional differential pressure gauge kit
- Polyester media and Nylon mesh available

Full ASME Certification Available

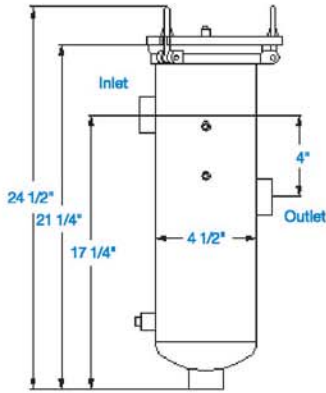
## Flow vs. Pressure



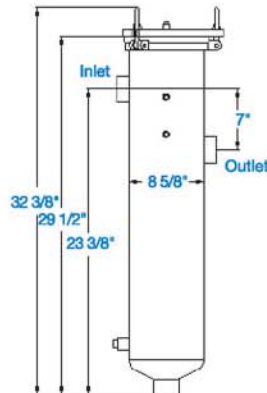
Note: Specifications are subject to change without notice.

## Filter Dimensions

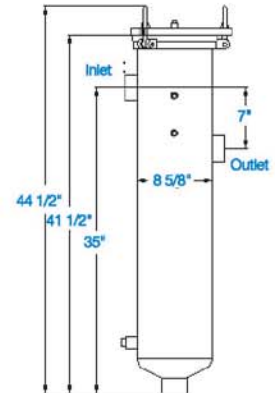
All dimensions are shown in inches



Viking B1 Housing



Viking B2 Housing



Viking B3 Housing

## Viking Descriptions

Part No.	Model	Description	Flow	Max. PSI	NPT
40192	Viking B1	Coated Inside/Out Carbon Steel Filter Housing	40 gpm	150	1 1/2"
40193	Viking B2	Coated Inside/Out Carbon Steel Filter Housing	80 gpm	150	2"
40194	Viking B3	Coated Inside/Out Carbon Steel Filter Housing	120 gpm	150	2"

Stands available for all models.

NOTE: 1. Viking models are not to be used with aviation applications.  
2. B2 & B3 models come equipped with stand. B1 stand is available upon request.

## Bag Options

Bag filters not included with Viking(s)

Viking housing nylon mesh replacement bags can be reused.

Polyester

Nylon Mesh

## Bag Descriptions

Part No.	Viking B1 Bag Options	Part No.	Viking B2 Bag Options	Part No.	Viking B3 Bag Options
90591	5 Micron Polyester Media	90575	5 Micron Polyester Media	90583	5 Micron Polyester Media
90592	10 Micron Polyester Media	90576	10 Micron Polyester Media	90584	10 Micron Polyester Media
90593	25 Micron Polyester Media	90577	25 Micron Polyester Media	90585	25 Micron Polyester Media
90594	75 Micron Nylon Mesh	90578	75 Micron Nylon Mesh	90586	75 Micron Nylon Mesh
90595	150 Micron Nylon Mesh	90579	150 Micron Nylon Mesh	90587	150 Micron Nylon Mesh
90596	300 Micron Nylon Mesh	90580	300 Micron Nylon Mesh	90588	300 Micron Nylon Mesh

NOTE: Bag filters are not to be used with aviation applications.