

# 31 Series *In-Line Filters*



- ▶ Flows up to 40 GPM
- ▶ Up to 6,000 PSI
- ▶ Available in 303, 316 (3K) and 17-4PH (6K)
- ▶ Micron Ratings available from 0.2 to 300-Micron

## IN-LINE FILTERS

### ELEMENT OPTIONS

#### 304 Stainless Steel

10 - 150 Micron Abs.  
-320°F to +550°F  
Re-Cleanable

#### Micro Glass

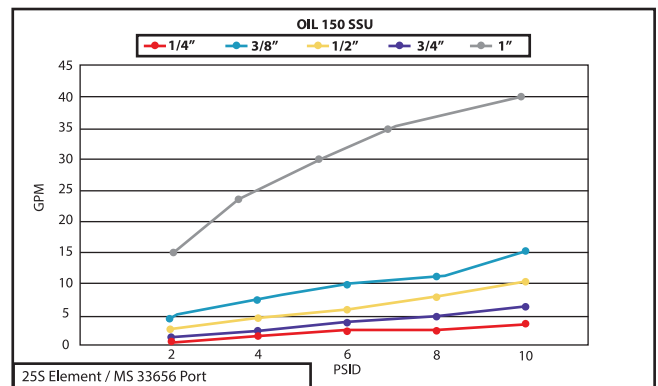
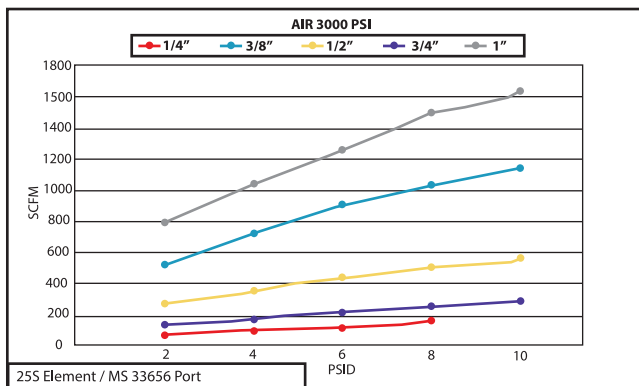
1 - 12 Abs.  
-70°F to +250°F  
Disposable

#### 316 Sintered SSTL

2 - 200 Micron Abs.  
-320°F to +550°F  
Re-Cleanable

### SPECIFICATION CHART

Replacement Element Number 31E			Replacement Element Number 32E			Replacement Element Number 33E			Replacement Element Number 34E			Replacement Element Number 35E		
1.25" Round			1.75" Round			1.75" Round			2.25" Round			2.5" Round		
Threads	Size	O.A.L.	Threads	Size	O.A.L.	Threads	Size	O.A.L.	Threads	Size	O.A.L.	Threads	Size	O.A.L.
NPT	1/8	4.81	NPT	1/8	4.75	NPT	1/4	6	NPT	1/2	7.75	NPT	3/4	8.75
MSAE	-4	4.12	MSAE	-6	4.25	MSAE	-8	5.5	MSAE	-12	8.41	MSAE	-16	8.25
FSAE	-4	4.81	FSAE	-6	4.75	FSAE	-8	6	FSAE	-12	7.75	FSAE	-16	8.75
37° Flare	-4	4.12	37° Flare	-6	4.25	37° Flare	-8	5.5	37° Flare	-12	7	37° Flare	-16	8.25
AS5202	-4	4.81	AS5202	-6	4.75	AS5202	-8	6	AS5202	-12	7.75	AS5202	-16	8.75
Face Seal	-4	4.12	Face Seal	-6	4.25	Face Seal	-8	5.5	Face Seal	-12	7	Face Seal	-16	8.25
Oil @ 150SSU – 2.5 GPM Air @ 100psig – 15 SCFM Air @ 3000psig – 155 SCFM Element Area – 11 in <sup>2</sup>			Oil @ 150SSU – 6 GPM Air @ 100psig – 40 SCFM Air @ 3000psig – 295 SCFM Element Area – 17 in <sup>2</sup>			Oil @ 150SSU – 10 GPM Air @ 100psig – 75 SCFM Air @ 3000psig – 550 SCFM Element Area – 25 in <sup>2</sup>			Oil @ 150SSU – 16 GPM Air @ 100psig – 195 SCFM Air @ 3000psig – 1150 SCFM Element Area – 63 in <sup>2</sup>			Oil @ 150SSU – 40 GPM Air @ 100psig – 340 SCFM Air @ 3000psig – 1625 SCFM Element Area – 121 in <sup>2</sup>		



# 31 Series How to Order

## Example Part Number

A	B	C	D	E	F	G	H		
31	S	-	2	P	2	P	-	10S	V

Section A	Description	Code
<b>Filter Series</b>	<b>In-Line Filters</b>	<b>31</b>
<b>Section B</b>		
<b>Housing Material</b>	<b>303 SS - 3,000 PSI</b>	<b>S</b>
<b>&amp; Pressure</b>	<b>17-4 PH SS - 6,000 PSI</b>	<b>P</b>
	<b>316 SS - 3,000 PSI</b>	<b>T</b>
<b>Section C</b>		
<b>Inlet Port Size</b>	<b>1/8"</b>	<b>2</b>
	<b>1/4"</b>	<b>4</b>
	<b>3/8"</b>	<b>6</b>
	<b>1/2"</b>	<b>8</b>
	<b>3/4"</b>	<b>12</b>
	<b>1"</b>	<b>16</b>
<b>Section D</b>		
<b>Inlet Port Type</b>	<b>Male SAE</b>	<b>M</b>
	<b>Male NPT</b>	<b>N</b>
	<b>Female NPT</b>	<b>P</b>
	<b>Female SAE J1926</b>	<b>S</b>
	<b>37° Flare</b>	<b>T</b>
	<b>AS1098</b>	<b>C</b>
<b>Section E</b>		
<b>Outlet Port Size</b>	<b>1/8"</b>	<b>2</b>
	<b>1/4"</b>	<b>4</b>
	<b>3/8"</b>	<b>6</b>
	<b>1/2"</b>	<b>8</b>
	<b>3/4"</b>	<b>12</b>
	<b>1"</b>	<b>16</b>
<b>Section F</b>		
<b>Outlet Port Type</b>	<b>Male SAE</b>	<b>M</b>
	<b>Male NPT</b>	<b>N</b>
	<b>Female NPT</b>	<b>P</b>
	<b>Female SAE J1926</b>	<b>S</b>
	<b>37° Flare</b>	<b>T</b>
	<b>AS1098</b>	<b>C</b>
<b>Section G</b>		
<b>Micron Rating/ Material</b>	<b>Material</b>	<b>Micron/Nom</b>
	<b>316 Sintered SSTL</b>	<b>0.2</b>
	<b>316 Sintered SSTL</b>	<b>0.7</b>
	<b>316 Sintered SSTL</b>	<b>2</b>
	<b>316 Sintered SSTL</b>	<b>5</b>
	<b>Microglass 3250 PSID</b>	<b>1</b>
	<b>Microglass 3250 PSID</b>	<b>3</b>
	<b>Microglass 3250 PSID</b>	<b>6</b>
	<b>Microglass 3250 PSID</b>	<b>12</b>
	<b>304 SSTL 4500 PSID</b>	<b>2</b>
	<b>304 SSTL 4500 PSID</b>	<b>5</b>
	<b>304 SSTL 4500 PSID</b>	<b>10</b>
	<b>304 SSTL 4500 PSID</b>	<b>20</b>
	<b>304 SSTL 4500 PSID</b>	<b>40</b>
	<b>304 SSTL 4500 PSID</b>	<b>100</b>
<b>Section H</b>		
<b>O-Ring Material</b>	<b>Buna</b>	<b>N</b>
	<b>Viton®</b>	<b>V</b>
	<b>EPR</b>	<b>E</b>
	<b>Teflon® (Consult Factory)</b>	<b>T</b>
	<b>Kalrez®</b>	<b>K</b>
	<b>Teflon Encapsulated Viton</b>	<b>S</b>

## Replacement Element

See Chart	2	G	H
31	E	-	25S
			N

Section A	Description	Code
<b>Element Size</b>	<b>Replacement Element - See Specification Chart</b>	<b>31</b>
<b>Element</b>		<b>E</b>
<b>Section G</b>		
<b>Micron Rating</b>	<b>See Section G Above For Code</b>	<b>25S</b>
<b>Section H</b>		
<b>O-Ring</b>	<b>See Section H Above For Code</b>	<b>N</b>



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