

# FS Series Filters

Synthetic Microfilters for API/EI 1590  
Qualified and Industrial Applications



Parker Racor's patented unique synthetic FS microfilters utilize the latest in microglass media technology to provide superior filtration efficiency, dirt holding capacity, and filter life. 160 pleats per filter offers nearly 4 times the surface area of other microfilters in the marketplace. The FS series filters are designed and qualified to API/EI 1590 at 1 and 5 microns. 10 and 25 micron rated filters are available for industrial applications.

The FS Synthetic Microfilters are designed for particulate removal and are installed to protect expensive downstream coalescer filters and system components. Applications range from the refinery throughout the distribution system and delivery to point of use. They are available in many configurations to suit a wide variety of applications and fits in many competitor vessels.

FS microfilters improve fuel cleanliness and can provide fuel quality that meets engine OEM and World Fuel Charter requirements.



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## Product Features:

- Industry standard filter dimensions
- Outer wrap available for back flow protection
- Standard end-cap offering
- High efficiency particulate removal
- Protects coalescers and other system components
- Out to In flow direction
- Rugged and reliable
- Replaces competitors filters
- Large surface area
- Long filter life
- Low initial pressure drop
- Cost effectiveness
- Viton<sup>®</sup> seals and gaskets for compatibility with a wide range of fluids

Note: Viton<sup>®</sup> is a registered trademark of DuPont<sup>™</sup>.



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# How To Build A Part Number

<b>FS - 28 6 04 - S</b>	
Filter Synthetic	
Element Length (inches) <sup>1</sup>	28
Element Diameter (inches)	6
Nominal Micron Rating	04
01 - 1 Micron	
04 - 5 Micron	
05 - 10 Micron	
07 - 25 Micron	
End Cap Configuration:	Element Wrap:
S - Single Open End	W3 - Perforated Metal Outer Wrap

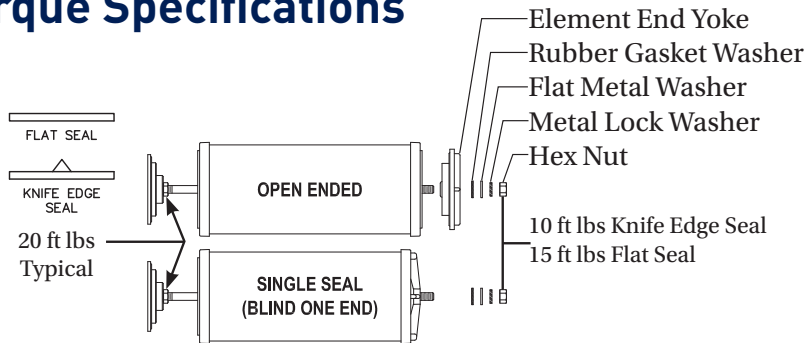
<sup>1</sup>Filter length is the nominal length of the media pack and does not represent the overall filter length. Depending on end-cap configuration, the nominal overall filter length will be an additional 0.625 to 1.000 inches in length.



## For Information:

See brochure **7537** for information on the complete line of Racor Hydrocarbon products for aviation and industrial applications.

## Torque Specifications



## Technical Specifications

<b>Micron</b>	1, 5, 10, and 25 <sup>2</sup>
<b>Flow Direction</b>	Outside to Inside
<b>Change-out Pressure</b>	15 PSID (1.0 bar)
<b>End Caps</b>	Glass Filled Nylon
<b>Ambient Temperature Range</b>	-40° to +160°F (-40° to +71°C)
<b>Maximum Temperature Range</b>	190°F (88°C)
<b>pH Range</b>	5-9

<sup>2</sup>Only 1 and 5 micron filters are API/EI approved.

US Patent # 7,438,812 B2

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