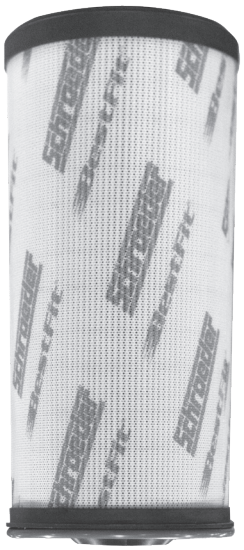
Section 7:

# REPLACEMENT ELEMENTS

# BestFit Elements — Parker FBO Elements



## Description

Schroeder Industries has developed the BestFit replacement element series based upon the Parker FBO Series filters, providing replacements for both particulate and water removal elements in the field. The BestFit Coalescing design allows for our patented coalescing water removal filtration technology to be used within the Parker FBO Series filters found in the field today, providing improvements in water removal efficiency* and a improvement in particulate retention** and filter element service life. The BestFit Particulate design incorporates the same advantages our Z-media brings to fuel filtration with improved particulate removal efficiency and capacity. Along with improved performance comes a design that incorporates components that prevent degradation and eliminate the potential for corrosion.

***water removal efficiency tested at 15 gpm according to fuel/water separation test procedure SAE J1488:2010 **particulate retention was determined according to multi-pass test method ISO 16889:2008(E)**

## Features & Benefits

- Schroeder Industries SBFC element uses patented, three stage coalescing filtration technology
- Schroeder Industries SBFD element uses fully synthetic, multi-layered Z-media filtration technology
- Synthetic filtration media eliminates degradation due to high water content fuel
- Stainless steel and polymer material of construction provide a robust and corrosion-resistant structure
- The SBFC element provides 1.88x the filtration surface of the OEM design
- The SBFC element performs greater than 99.5% efficient at removing particles smaller than 4 micron in size
- Patented three stage coalescing filtration technology for improvements in water removal efficiency and capacity
- Use of stainless steel support structure and polymer components prevent corrosion from high water content exposure
- Direct fitment into existing installations allow for immediate performance improvements with no modifications
- Coalescing technology can provide a significant reduction in operating costs in comparison to absorbing technology, due to the benefit of "bottomless" water removal capacity.

## Element Specifications

| | |
|---|---|
| Differential Pressure Rating: | 75 psid |
| Maximum Operating Temperature Range: | 225ºF (ºC) |
| End Cap Material: | Plastic |
| Center Tube Material (when included): | Stainless Steel |
| Seal Material: | Fluoroelastomer, FKM |
| Filter Element Length, Typical: | 10", 14" |
| Filtration Rating: | Particulate: 5, 10, 25 µm<br>Coalescing: 5 µm |
| Degree of Separation: | 95%+ |

# BestFit Elements — Parker FBO Elements

## Element Table

| Parker Racor Part Number | Filter Housing Used | Micron Rating | Function | Schroeder Model Code | Schroeder Part No. |
|---|---|---|---|---|---|
| FBO 60331 | FBO-10 | 5 | Particulate | SBFD-FBO-10Z5V | 7644662 |
| FBO 60334 | | | Water Absorbing | Consider SBFC-FBO-10Z5V | 7644660 |
| FBO 60328 | | | Water Coalescing | SBFC-FBO-10Z5V | 7644660 |
| FBO 60354 | | 10 | Particulate | SBFD-FBO-10Z10V | 7644664 |
| FBO 60355 | | | Water Absorbing | Consider SBFC-FBO-10Z5V | 7644660 |
| FBO 60353 | | | Water Coalescing | Consider SBFC-FBO-10Z5V | 7644660 |
| FBO 60332 | | 25 | Particulate | SBFD-FBO-10Z25V | 7644666 |
| FBO 60335 | | | Water Absorbing | Consider SBFC-FBO-10Z5V | 7644660 |
| FBO 60329 | | | Water Coalescing | Consider SBFC-FBO-10Z5V | 7644660 |
| FBO 60340 | FBO-14 | 5 | Particulate | SBFD-FBO-14Z5V | 7644663 |
| FBO 60343 | | | Water Absorbing | Consider SBFC-FBO-14Z5V | 7644661 |
| FBO 60337 | | | Water Coalescing | SBFC-FBO-14Z5V | 7644661 |
| FBO 60357 | | 10 | Particulate | SBFD-FBO-14Z10V | 7644665 |
| FBO 60358 | | | Water Absorbing | Consider SBFC-FBO-14Z5V | 7644661 |
| FBO 60356 | | | Water Coalescing | Consider SBFC-FBO-14Z5V | 7644661 |
| FBO 60341 | | 25 | Particulate | SBFD-FBO-14Z25V | 7644667 |
| FBO 60344 | | | Water Absorbing | Consider SBFC-FBO-14Z5V | 7644661 |
| FBO 60338 | | | Water Coalescing | Consider SBFC-FBO-14Z5V | 7644661 |

# BestFit Elements — Parker FBO Elements

## Filter Model Number Selection

### How to Build a Valid Model Number for a BetterFit Element:

| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 |
|---|---|---|---|---|---|
| SBF | | | | | |

**Example:** *NOTE: One option per box*

| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 | |
|---|---|---|---|---|---|---|
| SBF | D | FBO | 10 | Z5 | V | **= SBFD-FBO-10Z5V** |

NOTES:

Box 2. The SBF "C" (Box 2) is only available in a Z5 media configuration.

BOX 1

| Filter Element Type |
|---|
| SBF = Schroeder BestFit |

BOX 2

| Media Type |
|---|
| D = Particulate Filtration |
| C = Coalescing & Particulate Filtration |

*for others, contact factory

BOX 3

| Filter Series |
|---|
| FBO = Parker FBO |

BOX 4

| Filter Series |
|---|
| 10 = 10" |
| 14 = 14" |

BOX 5

| Filter Material |
|---|
| Z5 = 5 micron Z-media |
| Z10 = 10 micron Z-media |
| Z25 = 25 micron Z-media |

BOX 6

| Sealing Material |
|---|
| V = Fluoroelastomer (FKM, Viton®) |

# Betterfit Elements

## Filtration

BetterFit filter elements for diesel applications have been specially developed to filter high volumes of contamination from diesel fuel. The meshpack is made from the latest Optimicron® Diesel material and incorporates the innovative Helios technology for:

- Excellent dirt holding capacity
- Stable pleat structure
- Low Δp

Filter: Optimicron® ON/DF

## Dewatering

BetterFit dewatering elements use materials specifically designed for coalescing and for separating water from diesel:

- Optimicron® Diesel element technology for possible two stage dewatering
- Coalescer elements with high efficiency pleated materials
- Separator elements with new innovative coating for safe water separation
- The Optimicron® Diesel element technology enables secure and efficient dewatering even when the water content of the diesel is low

Coalescer: Optimicron® ON/DC

## Filter Model Number Selection

### How to Build a Valid Model Number for a BetterFit Element:

| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 |
|---|---|---|---|---|---|
| 1.25 – | | – | | – | – |

**Example:** *NOTE: One option per box*

| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 | |
|---|---|---|---|---|---|---|
| 1.25 – | 60 – | D – | 05 – | ON/DF – | V | = **1.2560D05ON/DFV** |

**BOX 1**

| Filter Element Type |
|---|
| 1.25 = Pall HFU6 |
| 1.32 = Pall LCS |
| 1.33 = Pall LSS |
| 15.01 = Velcon DFO |
| 15.03 = Velcon I |
| 15.04 = Velcon SO |
| 4.15 = Parker HFS |
| 4.17 = Parker HCP |
| 4.18 = Parker HSP |
| 45.01 = Faudi A.4 |
| 45.02 = Faudi 60 |

**BOX 2**

| Length |
|---|
| 20 = 20" |
| 40 = 40" |
| 60 = 60" |

*for others, contact factory

**BOX 3**

| Version |
|---|
| D = Standard |

**BOX 4**

| Filtration Rating |
|---|
| 05 = 5 µm |
| 10 = 10 µm |
| 20 = 20 µm |

**BOX 5**

| Filter Material |
|---|
| ON/DF = Optimicron® / Diesel Filtration |
| ON/DC = Optimicron® / Diesel Coalescing |
| ON/DS = Optimicron® / Diesel Separation |

**BOX 6**

| Sealing Material |
|---|
| V = FPM (FKM, Viton®) |

# BetterFit Elements

## Element Table

| Part Number | Model Code | Competitor | Competitor Code |
|---|---|---|---|
| Contact Factory | 1.25.20 D 03 ON/DF /-V | Pall | HFU620GF020H13 |
| Contact Factory | 1.25.20 D 05 ON/DF /-V | Pall | HFU620GF060H13 |
| Contact Factory | 1.25.20 D 10 ON/DF /-V | Pall | HFU620GF100H13 |
| Contact Factory | 1.25.40 D 03 ON/DF /-V | Pall | HFU640GF020H13 |
| 3829783 | 1.25.40 D 05 ON/DF /-V | Pall | HFU640GF060H13 |
| 3877700 | 1.25.40 D 10 ON/DF /-V | Pall | HFU640GF100H13 |
| 3882380 | 1.25.40 D 20 ON/DF /-V | Pall | HFU640GF200H13 |
| 3828184 | 1.25.60 D 05 ON/DF /-V | Pall | HFU660GF060H13 |
| 3877699 | 1.25.60 D 19 ON/DF /-V | Pall | HFU660GF100H13 |
| 3952283 | 1.25.60 D 20 ON/DF /-V | Pall | HFU660GF200H13 |
| 3875491 | 1.32.20 D Z ON/DC /-V | Pall | LCS2H1AH |
| 3875488 | 1.32.40 D Z ON/DC /-V | Pall | LCS4H1AH |
| 3875110 | 1.33.20 D Z ON/DS /-V | Pall | LSS2F2H |
| 3872179 | 15.01.29 D 05 ON/DF /-V | Velcon | DFO-629PLF6 |
| 3907748 | 15.03.44 D Z ON/DC /-V | Velcon | I-6444 TB |
| 3907750 | 15.04.29 D Z ON/DS /-V | Velcon | SO-629PLF3 |
| 3866983 | 4.15.28 D 05 ON/DF /-V | Parker | HFS-28605-S |
| 3907751 | 4.17.43 D Z ON/DC /-V | Parker | HCP-43601-TB |
| 3907752 | 4.18.33 D Z ON/DS /-V | Parker | HSP-33605-S |
| 3907754 | 45.01.33 D Z ON/DC /-V | Faudi | A.4-842 |
| 3907753 | 45.02.40 D Z ON/DS /-V | Faudi | 60.644-1012 |

# Notes Section:

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