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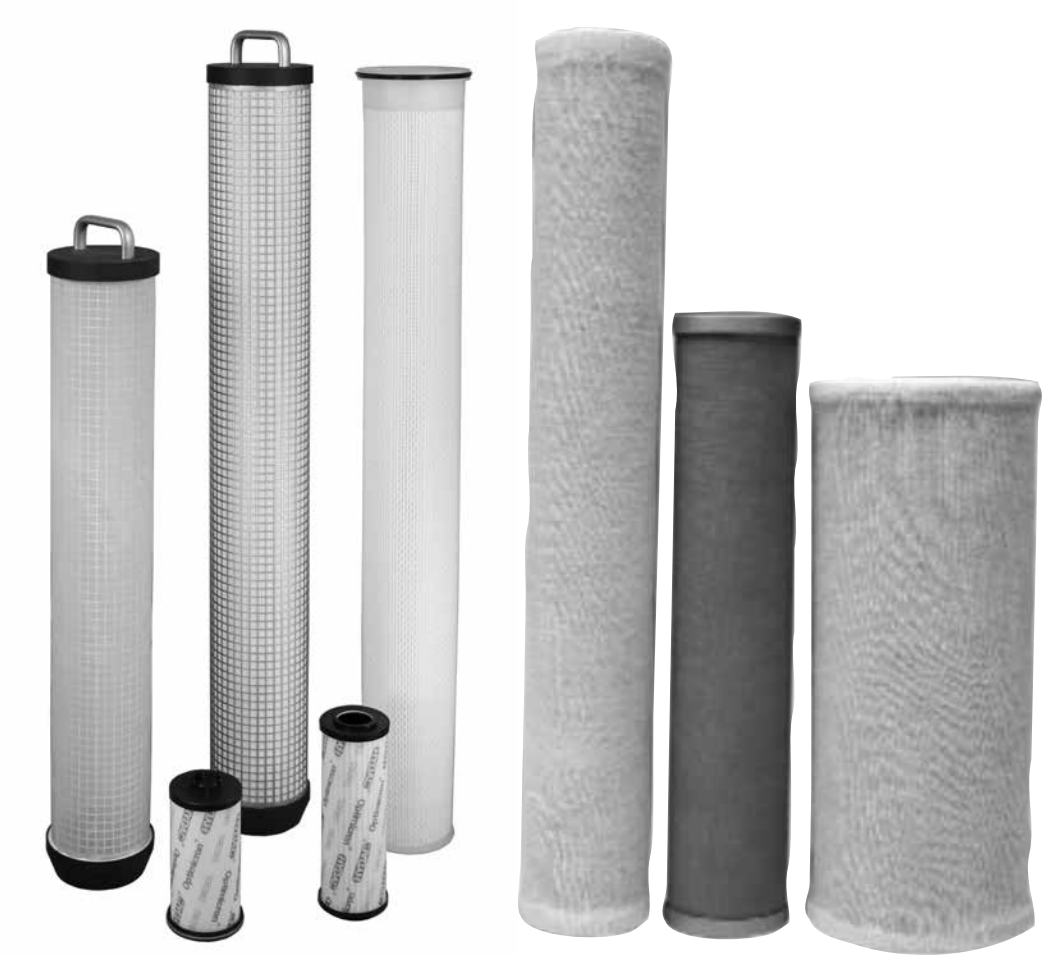
BetterFit® Fuel Elements

Betterfit® Elements



Description

The filter elements in the Betterfit Diesel filter element series are particularly suitable for removing particles of dirt from diesel fuels. In this process, the Optimicron® diesel material with Helios pleated geometry is applied, which
was developed especially for use with diesel fuels.

- Kaydon
- Parker
- Facet
- Gulfgate
- Murphy
- Racor
- Velcon
- And others

* Contact Factory for Crossovers not listed.

Features and Benefits

- Good price/performance ratio
- Lower maintenance costs due to longer service life
- Significant reduction in pressure loss and integrated pleat stabilization due to Helios pleated geometry
- High level of fluid cleanliness due to graduated structure of depth filter
- High contamination retention due to large depth effect of the filter material
- High media compatibility
- Filter element geometry suitable for use in housings made by other manufacturers

Technical Specifications

Differential Pressure Rating	Up to 75 psid *(dependent on part number)*
Maximum Operating Temperature Range	225°F (°C)
End Cap Material	Plated Aluminum *(Threaded base elements have injection-molded, glass filled nylon end caps)*
Center Tube Material (when included)	Plated Steel
Seal Material	Buna N *(other materials available upon request)*
Filter Element Length, Typical	20”, 40”, 60” *(others on request)*
Filtration Rating	5, 10, 20 µm *(others on request)*
Degree of Separation	> 99.5%
Permissible Fluid temperature	14°F to 176°F (-10°C to 80°C)

Model Code

1.25 40 D 05 ON/DF – V

Filter Element Type

Element Length

Version
D = Standard

Filtration Rating
3 = 3 µm
5 = 5 µm
10 = 10 µm
20 = 20 µm
Z = Coalescing / Separation

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

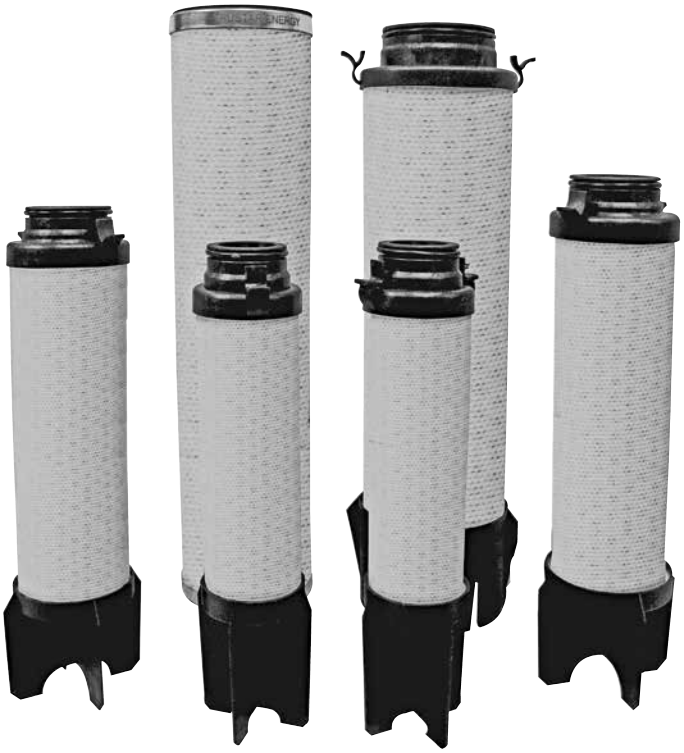
Sealing Material
V = Fluorocarbon Elastomer (FKM)

Note: Use the HYDAC Betterfit Cross Reference Tool to Identify The Appropriate Model Code

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

Betterfit® Elements For Compressed Natural Gas (CNG) Applications

Replaces Parker Finite® J-Series



Description

HYDAC provides the *Betterfit* replacement element series for the Parker Finite J-Series high pressure CNG filter housings. The *Betterfit* elements are equivalent in form, fit, and function using a pleated filter media design.

The *Betterfit* elements are designed for use in Compressed Natural Gas (CNG) applications. The offering provides replacement elements in a range of housing sizes from B through E, available with performance equivalents to the 4C, 10C, and WS media grades. Each element kit includes a set of replacement head and bowl o-rings, as well as a tube of lubricant.

Features and Benefits

- Robust & high-performance pleated coalescing media design
- Coalescing media efficiencies of 99% to 99.995%
- Standard element retention clip design for element stability
- 75+ PSID burst rating
- Integrated element standoff for optimum liquid contaminant

Model Code

4.25 .05 D 0.01 ZC

Filter Element Type
- 4.25 = Parker Finite® J-Series, B Size
- 4.26 = Parker Finite® J-Series, C Size
- 4.27 = Parker Finite® J-Series, D or E Size

Element Length
- 05 = B Size 07 = C Size
- 10 = D Size 14 = E Size

Version
- D = Standard

Filtration Rating *(microns)*
- 0.01 = 0.01 001 = 1 µm 100 = 100 µm

Filter Material
- ZC = Synthetic Microglass
- MC = Stainless Steel Mesh

Technical Specifications

Differential Pressure Rating	75+ PSID
Max. Operating Temperature Range	300°F (149°C)
End Cap Material	Glass Reinforced Nylon
Center Tube Material	Plated Steel
Seal Material	Fluorocarbon, FKM
Micron Rating	0.01, 1, 100 µm *(per ISO 12500-4)*
Coalescing Efficiency	99% to 99.995% *(per ISO 12500-3)*

Parker Finite® PN	HYDAC Betterfit® PN	Sealing OD (inches)	Nom. Length (inches)	Coalescing Efficiency	Micron Rating (µm)	Media Composition	Dry Pressure Drop (PSID)
4CJBK	4.25.05 D 0.01 ZC	1.36	8.66	99.995%	0.01	Synthetic Microglass	0.4
10CJBK	4.25.05 D 001 ZC	1.36	8.66	95%	1	Synthetic Microglass	0.2
WSJBK	4.25.05 D 100 MC	1.36	8.66	99+% Water Removal	100	Stainless Steel Mesh	<0.2
4CJCK	4.26.07 D 0.01 ZC	1.66	9.73	99.995%	0.01	Synthetic Microglass	0.4
10CJCK	4.26.07 D 001 ZC	1.66	9.73	95%	1	Synthetic Microglass	0.2
WSJCK	4.26.07 D 100 MC	1.66	9.73	99+% Water Removal	100	Stainless Steel Mesh	<0.2
4CJDK	4.27.10 D 0.01 ZC	2.44	12.73	99.995%	0.01	Synthetic Microglass	0.4
10CJDK	4.27.10 D 001 ZC	2.44	12.73	95%	1	Synthetic Microglass	0.2
WSJDK	4.27.10 D 100 MC	2.44	12.73	99+% Water Removal	100	Stainless Steel Mesh	<0.2
4CJEK	4.27.14 D 0.01 ZC	2.44	16.56	99.995%	0.01	Synthetic Microglass	0.4
10CJEK	4.27.14 D 001 ZC	2.44	16.56	95%	1	Synthetic Microglass	0.2
WSJEK	4.27.14 D 100 MC	2.44	16.56	99+% Water Removal	100	Stainless Steel Mesh	<0.2

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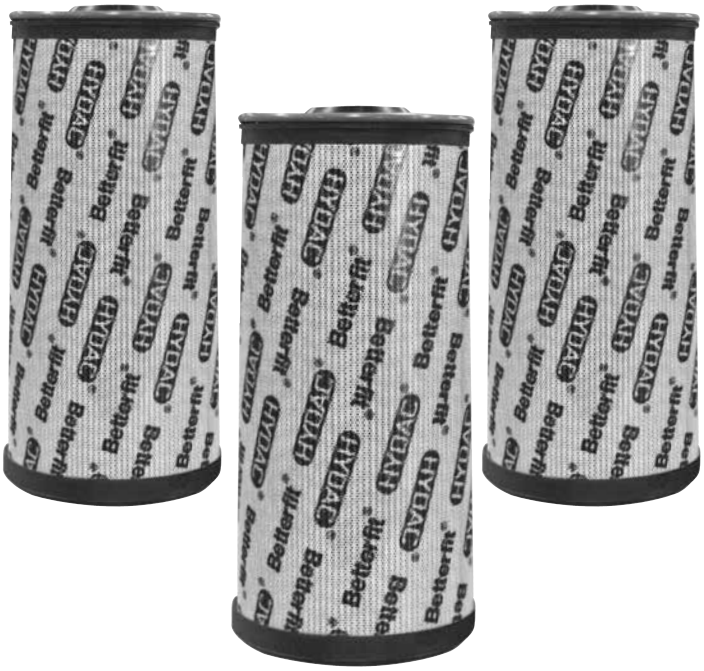
Betterfit® Elements For Particulate and Water Removal

Replaces Parker FBO Series



Model Code

4.19 10 R 05 ON/DF –/ V

Filter Element Type
4.19 = Parker FBO

Element Length
10 = 10 in. 14 = 14 in.

Version
R = Standard

Filtration Rating *(microns)*
1 = 1 µm 3 = 3 µm 5* = 5 µm
10 = 10 µm 25 = 25 µm

Filter Material
ON/DF = Optimicron® / Diesel Filtration
ON/DC = Optimicron® / Diesel Coalescing

Sealing Material
V = Fluorocarbon Elastomer (FKM)

Note: *The coalescing element is only available in a 5 µm filtration rating configuration

Description

HYDAC has developed the Betterfit replacement element series based upon the Parker FBO Series of filters. Our Betterfit design allows for our particulate and proven 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*, improvement in particulate retention** and filter element service life. The Betterfit particulate design incorporates the same advantages our synthetic 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 and Benefits

- HYDAC Betterfit Coalescing elements use proven, three stage coalescing filtration technology
- HYDAC Betterfit Particulate elements use fully synthetic, multi-layered 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 coalescing element provides 1.88x the filtration surface of the OEM design
- Our proven 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 system 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.

Technical Specifications

Dif. Pressure Rating	75+ PSID
End Cap Material	Plastic
Center Tube Material	Stainless Steel
Seal Material	Fluoroelastomer (FKM)
Element Length, Typical	10 in., 14 in.
Filtration Rating	1, 3, 5, 10, 25 µm
Degree of Separation	>95%

Parker PN	Model Code	HYDAC PN
FBO 60331	4.19.10 R 05 ON/DF /-V	2214833
FBO 60334	Consider 4.19.10 R 05 ON/DC /-V	2214831
FBO 60328	4.19.10 R 05 ON/DC /-V	2214831
FBO 60354	4.19.10 R 10 ON/DF /-V	2214835
FBO 60355	Consider 4.19.10 R 05 ON/DC /-V	2214831
FBO 60353	Consider 4.19.10 R 05 ON/DC /-V	2214831
FBO 60332	4.19.10 R 25 ON/DF /-V	2214837
FBO 60335	Consider 4.19.10 R 05 ON/DC /-V	2214831
FBO 60329	Consider 4.19.10 R 05 ON/DC /-V	2214831
FBO 60340	4.19.14 R 05 ON/DF /-V	2214834
FBO 60343	Consider 4.19.14 R 05 ON/DC /-V	2214832
FBO 60337	4.19.14 R 05 ON/DC /-V	2214832
FBO 60357	4.19.14 R 10 ON/DF /-V	2214836
FBO 60358	Consider 4.19.14 R 05 ON/DC /-V	2214832
FBO 60356	Consider 4.19.14 R 05 ON/DC /-V	2214832
FBO 60341	4.19.14 R 25 ON/DF /-V	2214838
FBO 60344	Consider 4.19.14 R 05 ON/DC /-V	2214832
FBO 60338	Consider 4.19.14 R 05 ON/DC /-V	2214832

Notes