



FK 010-020 Series Filter Elements

High and Low-Pressure Filter Elements



Overview

Proper fluid maintenance requires periodic replacement of filter elements to ensure maximum contamination control. The FK Series filter elements are a cost effective replacement for Pall 9020 and 9021 filter assemblies. Glas-Tech III® proprietary media is offered to meet all of your filtration requirements. PTI filters are tested to the latest ISO standards for multipass efficiency testing.

Features

- Element Collapse Rating 200 psi (14 bar) or 3000 psi (207 bar)
- 10 & 20 gpm (38 & 76 lpm) Nominal Flow Rates
- Elements Available with $\beta_{x(c)} \geq 1000$ Glas-Tech® Media
- Optional DryPak® Moisture Control Media
- Replacement Element For Pall 9020 and 9021 Filter Assemblies



Technical Data

Low Collapse Pressure Rating

- Collapse Rating 200 psid (14 bar)
- Operating Temperature -40°F to +250°F (-40°C to +121°C)
- Materials of Construction
 - Center Tube: Zinc Plated Steel
 - End Caps: Aluminum

High Collapse Pressure Rating

- Collapse Rating 3000 psi (207 bar)
- Operating Temperature -40°F to +250°F (-40°C to +121°C)
- Materials of Construction
 - Center Tube: Stainless Steel
 - End Caps: Aluminum

Elements

PTI filter elements are manufactured with the highest quality materials. PTI filter elements feature multi-layer construction for increased dirt-holding capacity and low-pressure drop. PTI elements provide cost-effective contamination control for the most demanding applications. All elements are tested to the latest industry standards including ISO 16889 procedure for multipass efficiency.

PTI to Pall Cross Reference Low Collapse

PTI Part Number	Pall Part Number		PTI Part Number	Pall Part Number
FK-010-GG-B	HC9020FKP4H		FK-020-GG-B	HC9020FKP8H
FK-010-GG-V	HC9020FKP4Z		FK-020-GG-V	HC9020FKP8Z
FK-010-HG-B	HC9020FKN4H		FK-020-HG-B	HC9020FKN8H
FK-010-HG-V	HC9020FKN4Z		FK-020-HG-V	HC9020FKN8Z
FK-010-JG-B	HC9020FKT4H		FK-020-JG-B	HC9020FKT8H
FK-010-JG-V	HC9020FKT4Z		FK-020-JG-V	HC9020FKT8Z
FK-010-KG-B	HC9020FKS4H		FK-020-KG-B	HC9020FKS8H
FK-010-KG-V	HC9020FKS4Z		FK-020-KG-V	HC9020FKS8Z

PTI to Pall Cross Reference High Collapse

PTI Part Number	Pall Part Number		PTI Part Number	Pall Part Number
FK-010-GU-B	HC9021FKP4H		FK-020-GU-B	HC9021FKP8H
FK-010-GU-V	HC9021FKP4Z		FK-020-GU-V	HC9021FKP8Z
FK-010-MU-B	HC9021FKT4H		FK-020-MU-B	HC9021FKT8H
FK-010-MU-V	HC9021FKT4Z		FK-020-MU-V	HC9021FKT8Z

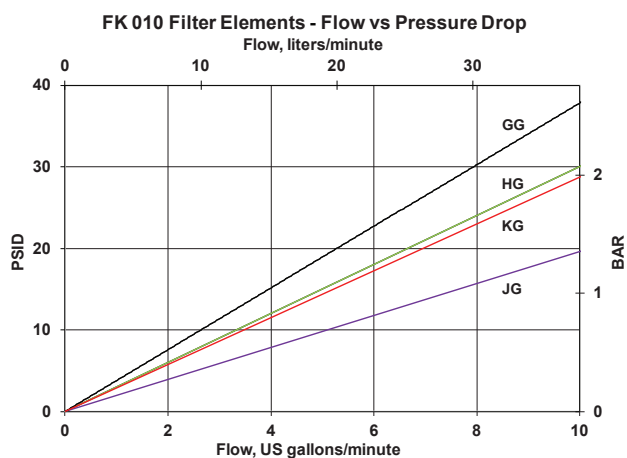
Filtration Rating

Multipass test results per old ISO 4572 and new ISO 16889 test procedures.
Particle size (x in microns at which the Beta Ratio (β) is greater than or equal to the indicated value (200 or 1000).

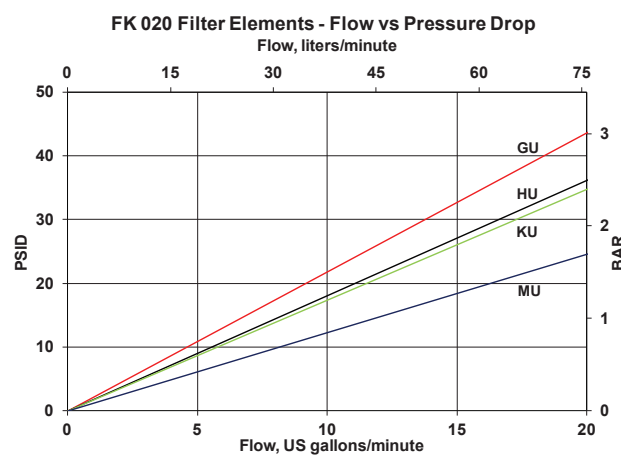
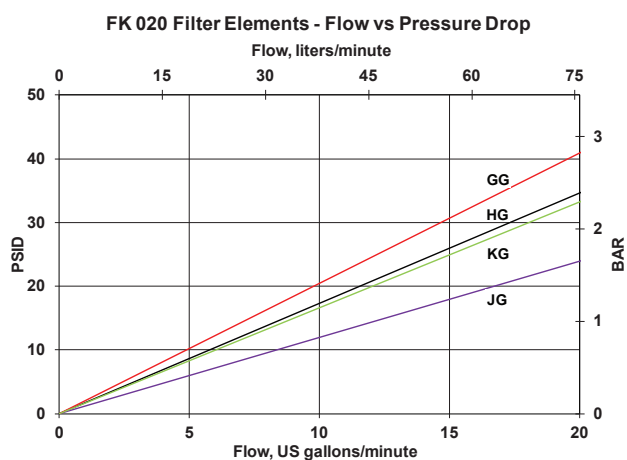
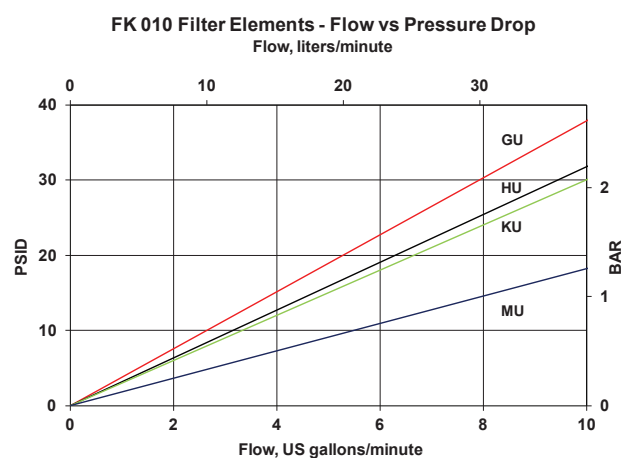
Code	Per ISO 4572		Per ISO 16889	
	$\beta_x \geq 200$		$\beta_{x(c)} \geq 200$	$\beta_{x(c)} \geq 1000$
G	3 μ m		5 μ m	7 μ m
H	6 μ m		7 μ m	9 μ m
K	12 μ m		12 μ m	15 μ m
J	23 μ m		21 μ m	24 μ m
M	17 μ m		15 μ m	19 μ m

Flow Rate/Pressure Drop Curves

200 psid Collapse



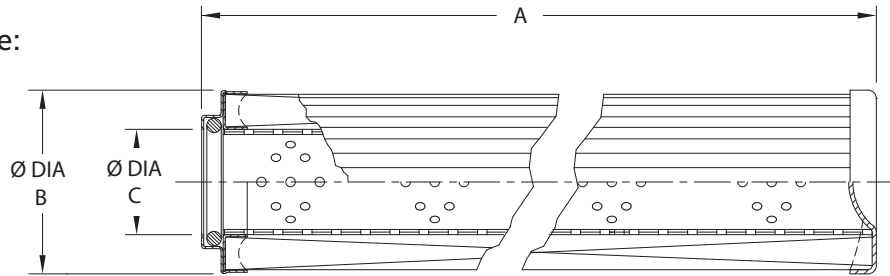
3000 psid Collapse



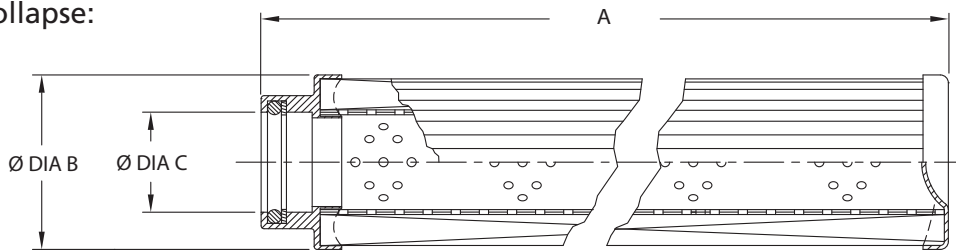
Pressure drop curves are for clean elements using 150 SUS (32 cSt) petroleum base hydraulic fluid of 0.9 S.G.
Filter Assembly ΔP = Housing ΔP + Element ΔP

Dimensions in Inches (mm)

Low Collapse:



High Collapse:



Element Model	Dimension A Inches (mm)	Dimension B Inches (mm)	Dimension C Inches (mm)
FK-010-xG	4.47 (113.5)	1.77 (45.0)	1.015 (25.8)
FK-010-xU	4.47 (113.5)	1.75 (44.4)	1.010 (25.6)
FK-020-xG	8.18 (207.8)	1.77 (45.0)	1.015 (25.8)
FK-020-xU	8.19 (208.0)	1.75 (44.4)	1.010 (25.6)

Ordering Information

Element:



Table 1 Size

Code	Nominal Flow
010	10 gpm (38 lpm)
020	20 gpm (76 lpm)

Table 4 Seals

Code	Material
B	Buna
V	Viton®

Table 2 Filtration Rating

Code	Micron Rating	Media
G	$\beta_{7(c)} \geq 1000$	Glas-Tech III®
H	$\beta_{9(c)} \geq 1000$	Glas-Tech III®
K	$\beta_{15(c)} \geq 1000$	Glas-Tech III®
J	$\beta_{24(c)} \geq 1000$	Glas-Tech III®
M	$\beta_{19(c)} \geq 1000$	Glas-Tech III®

Table 3 Collapse

Code	Collapse Rating
G	200 psid (14 bar)
U	3,000 psid (207 bar)

Table 5 Options

Code	Options
Omit	Standard Element
W	DryPak® Configuration

Viton® is a registered trademark of DuPont Performance Elastomers

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