

*A more robust
and reliable
filter element*

PG 050-120 Series Filter Elements

Filter Elements used in the F1F, F1M, F2P, F1P, F7F and F7L Filter Assemblies

Overview

Proper fluid maintenance requires periodic replacement of filter elements to insure maximum contamination control. The PG Series filter elements are a cost effective replacement for PTI filter assemblies. A selection of 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

- Fit PTI F1F, F1M, F2P, F1P, F7F & F7L filter assemblies
- Element collapse rating 300 psi (21 bar) or 3000 psi (207 bar)
- 50, 80 & 120 gpm (189, 303 & 454 lpm) nominal flow rates
- Elements available with Glas-Tech® $\beta_{x(c)} \geq 1000$ media
- Optional DryPak™ moisture control media

Technical Data

Low Collapse Pressure Rating

Collapse Rating	300 psid (21 bar)
Operating Temperature	-40°F to +250°F (-40°C to +121°C)
Materials of Construction	
Center Tube:	Zinc Plated Steel
End Caps:	Al-Si or Zinc Coated Steel

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:	Aluminum Alloy
End Caps:	Al-Si or Zinc Coated Steel

Alternate materials are available for mining applications.
Please consult factory for information.



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 testing.

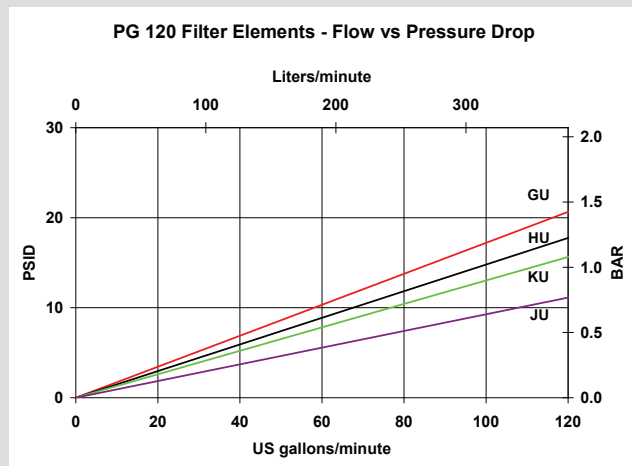
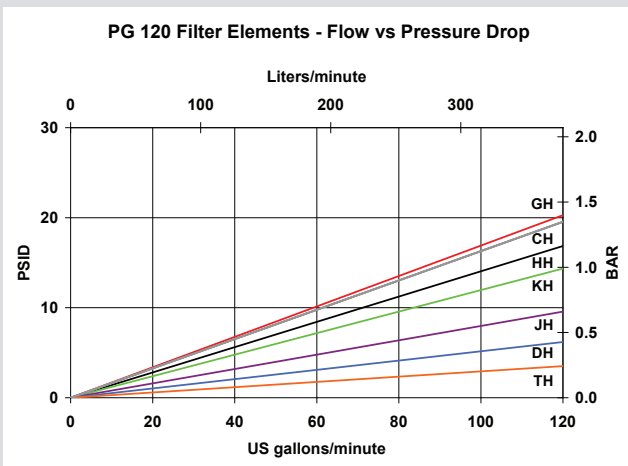
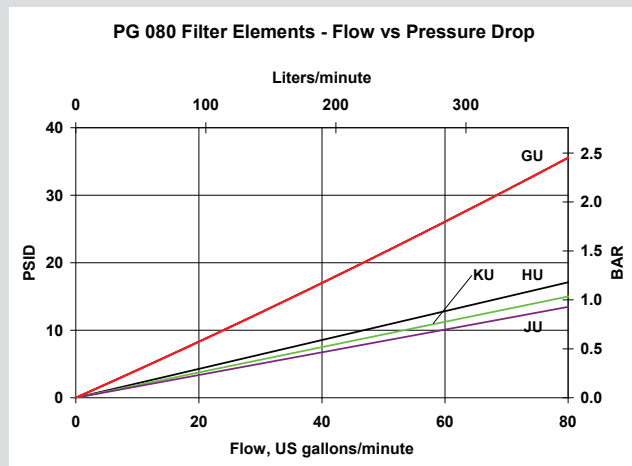
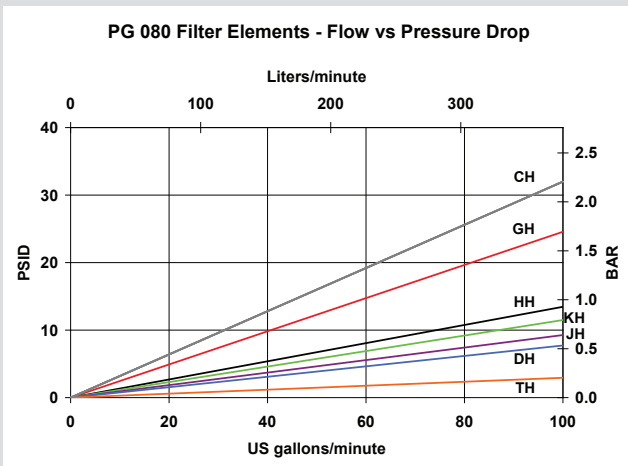
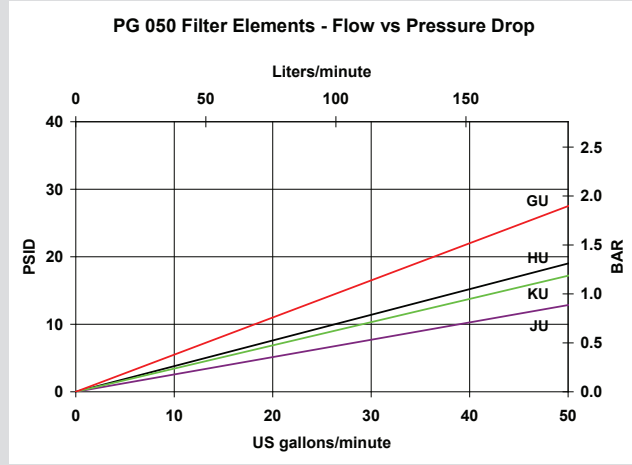
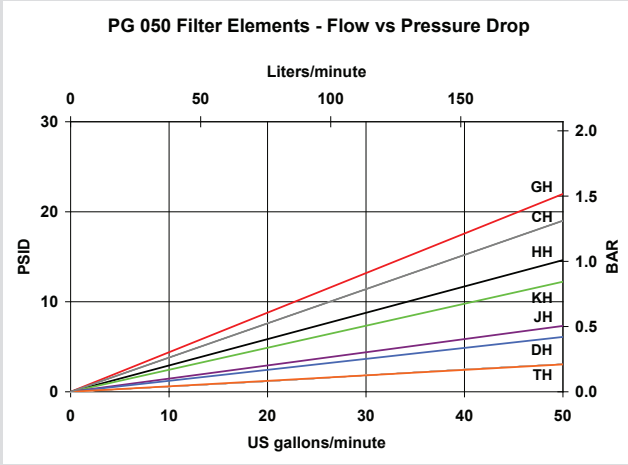
ISO Filtration Rating			
Multipass Test results per old ISO 4572 and new ISO 16889 test procedures			
Particle size (x) in microns at which the Beta Ratio (β) is greater than or equal to the indicated value (200 or 1000).			
	Per ISO 45729	Per ISO 16889	
Code	$\beta_x \geq 200$	$\beta_{x(c)} \geq 200$	$\beta_{x(c)} \geq 1000$
V	1 μ m	4.2 μ m	4.2 μ m
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

PG 050-120 filter elements are also available with 10 μ m nominal water removal or 149 μ m nominal CRES wire mesh media.
Please refer to ordering information on back page.

Flow Rate/Pressure Drop Curves

300 psid Collapse

3000 psid Collapse

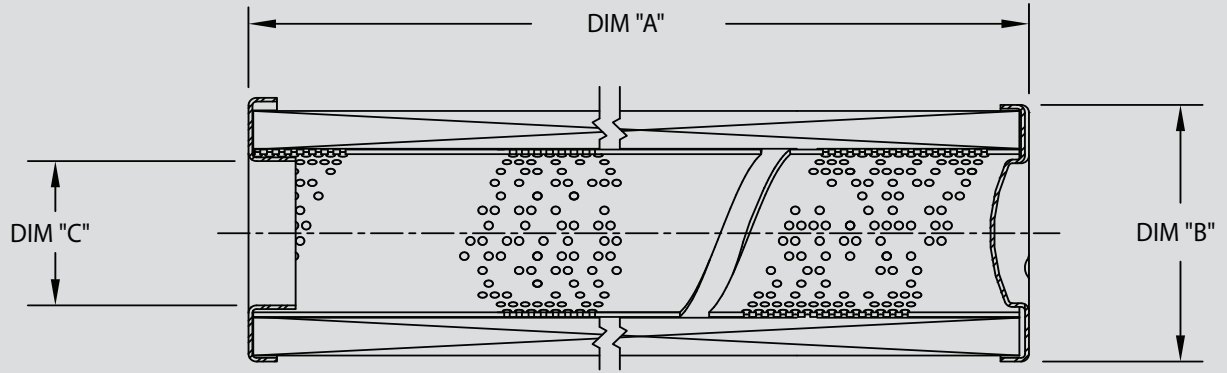


Pressure drop curves are based on 150 SUS (32 cSt) petroleum base hydraulic fluid of 0.9 S.G.

Filter Assembly ΔP = Housing ΔP + Element ΔP

Dimensions*

* Dimensions in inches (mm)



Dimension Information :

Element Number	DIM A Inches (mm)	DIM B Inches (mm)	DIM C Inches (mm)	O-Ring Size*
PG-050-xH	5.6 (142.0)	3.3 (84.6)	1.9 (47.5)	2-131
PG-050-xU	5.6 (142.0)	3.3 (84.6)	1.9 (47.5)	2-131
PG-080-xH	10.2 (257.8)	3.3 (84.6)	1.9 (47.5)	2-131
PG-080-xU	10.2 (257.8)	3.3 (84.6)	1.9 (47.5)	2-131
PG-120-xH	14.7 (373.9)	3.3 (84.6)	1.9 (47.5)	2-131
PG-120-xU	14.7 (373.9)	3.3 (84.6)	1.9 (47.5)	2-131

* The element seals on an O-Ring (O-Ring not included with element), located on the post in the filter head.

Ordering Information

Element:

PG	-	XXX	-	X	X	-	X	X
		TBL 1		TBL 2	TBL 3		TBL 4	

Code	Nominal Flow
050	50 gpm (189 lpm)
080	80 gpm (303 lpm)
120	120 gpm (454 lpm)

Table 2 Filtration Rating

Code	Micron Rating	Media
V	$\beta_{4.2}(c) \geq 1000$	Glas-Tech
G	$\beta_7(c) \geq 1000$	Glas-Tech
H	$\beta_9(c) \geq 1000$	Glas-Tech
K	$\beta_{15}(c) \geq 1000$	Glas-Tech
J	$\beta_{24}(c) \geq 1000$	Glas-Tech
*E	10 μm	Water Removal
*T	149 μm	Wire Mesh

Table 3 Collapse

Code	Collapse Rating
H	300 psid (21 bar)
U	3,000 psid (207 bar)

Table 4 Options

Code	Option
Omit	Standard Element
W	DryPak™ Configuration

* 300 psid collapse only