PG 015 - 030 Series Filter Elements

A More Robust and Reliable Filter Element

Overview

Proper fluid maintenance requires periodic replacement of filter elements to ensure 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.

Features

- Fit PTI F1F, F1M, F2P, F1P, F7F & F7L filter assemblies
- Element collapse rating 300 psi (21 bar) or 3000 psi (207 bar)
- 15, 25 & 30 gpm (57, 95 & 114 lpm) nominal flow rates
- Elements available with Glas-Tech III® $\beta_{x(c)} \geq 1000$ media, cellulose media, 421 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 psid (207 bar)
• Operating Temperature	-40°F to +250°F (-40°C to +121°C)
• Materials of Construction	
Center Tube:	Stainless Steel
End Caps:	Al-Si or Zinc Coated Steel

Alternate materials are available for unique applications and environments.
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.

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 (ß) is greater than or equal to the indicated value (200 or 1000).

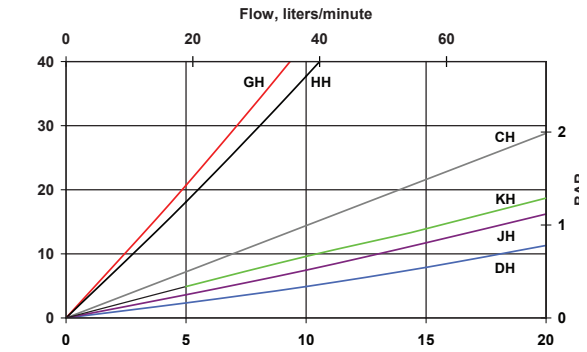
	Per ISO 4572	Per ISO 16889	
Code	$ß_x \geq 200$	$ß_{x(c)} \geq 200$	$ß_{x(c)} \geq 1000$
G	3µm	5µm	7µm
H	6µm	7µm	9µm
K	12µm	12µm	15µm
J	23µm	21µm	24µm

Code	Micron Rating	Media
C	10µm	Cellulose
D	25µm	Cellulose
T	149µm	CRES Mesh

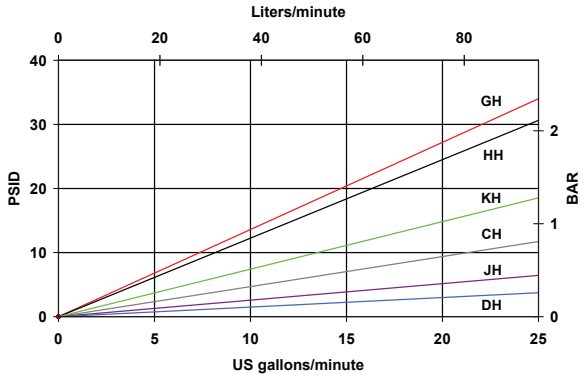
Flow Rate/Pressure Drop Curves

300 psid Collapse

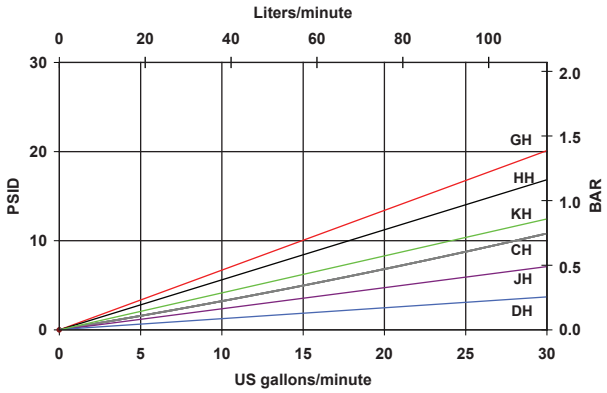
PG 015 Filter Elements - Flow vs Pressure Drop



PG 025 Filter Elements - Flow vs Pressure Drop

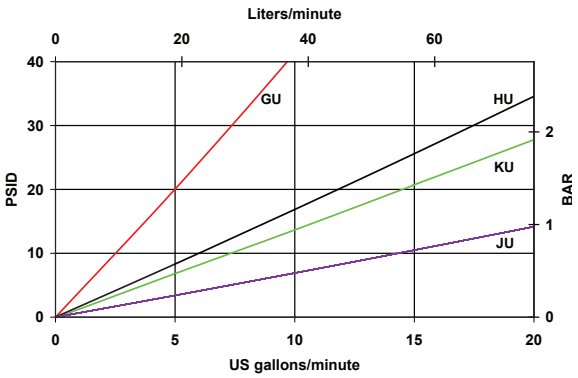


PG 030 Filter Elements - Flow vs Pressure Drop

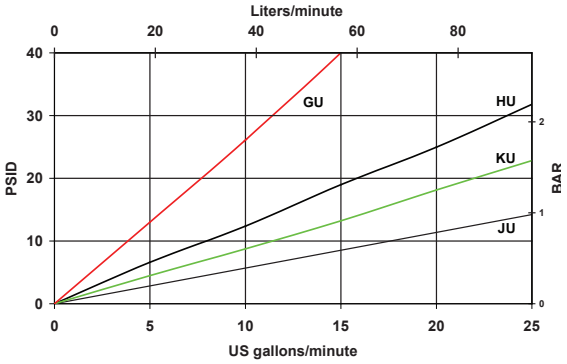


3000 psid Collapse

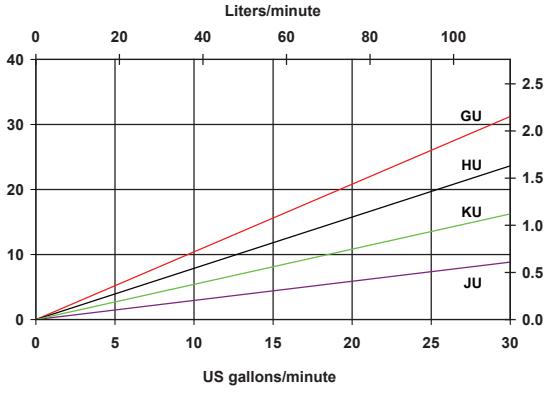
PG 015 Filter Elements - Flow vs Pressure Drop



PG 025 Filter Elements - Flow vs Pressure Drop

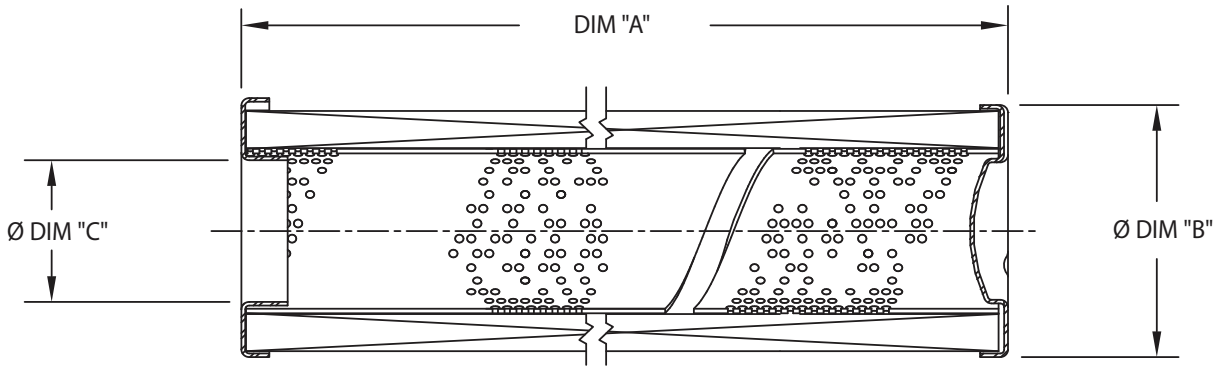


PG 030 Filter Elements - Flow vs Pressure Drop



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

Dimensions in Inches (mm)



Dimension Information

Element Number	øDIM A Inches (mm)	øDIM B Inches (mm)	øDIM C Inches (mm)	0-Ring Size*
PG-015-xH	3.7 (95.0)	1.8 (44.9)	1.0 (25.5)	020
PG-015-xU	3.7 (95.0)	1.8 (44.9)	1.0 (25.5)	020
PG-025-xH	6.7 (170.4)	1.8 (44.9)	1.0 (25.5)	020
PG-025-xU	6.7 (170.4)	1.8 (44.9)	1.0 (25.5)	020
PG-030-xH	9.7 (246.4)	1.8 (44.9)	1.0 (25.5)	020
PG-030-xU	9.7 (246.4)	1.8 (44.9)	1.0 (25.5)	020

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

Ordering Information

Element

PG - XXX - X X - X

TBL 1 TBL 2 TBL 3 TBL 4

Table 1 Size

Code	Nominal Flow
015	15 gpm (57 lpm)
025	25 gpm (95 lpm)
030	30 gpm (114 lpm)

Table 2 Filtration Rating

Code	Micron Rating	Media
V	$\beta_{4.2}(c) \geq 1000$	Glas-Tech III®
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®
C	10µm	Cellulose
D	25µm	Cellulose
T	149µm	CRES 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

For more info email: fluidpower@ptitechnologies.com

PTI Technologies Inc.
501 Del Norte Boulevard
Oxnard, California 93030
800-331-2701 • 805-604-3700
www.ptitechnologies.com

PTI Technologies Inc. is certified to ISO standards