



*A more robust  
and reliable  
filter assembly*

## FBG 015 Series L-Type Hydraulic Filter Assemblies

Low Pressure Hydraulic Filter Assemblies

### Features

- 400 psi (28 bar) operating pressure
- 15 gpm (57 lpm) nominal flow rate
- Elements available with  $\beta_{x(c)} \geq 1000$  Glas-Tech® media
- 3/4" NPT ports
- Optional 50 psid (3.4 bar)  $\pm 10\%$  bypass valve

### Technical Data

#### Pressure & Temperature Rating

|                        |                                   |
|------------------------|-----------------------------------|
| Operating Pressure:    | 400 psi (28 bar)                  |
| Proof Pressure:        | 600 psi (41 bar)                  |
| Burst Pressure:        | 800 psi (55 bar)                  |
| Operating Temperature: | -40°F to +250°F (-40°C to +121°C) |

#### Materials of Construction

|        |       |
|--------|-------|
| Cover: | Steel |
| Case:  | Steel |

#### Bypass Options

|                       |                              |
|-----------------------|------------------------------|
| Bypass Valve Setting: | 50 psid (3.4 bar) $\pm 10\%$ |
|-----------------------|------------------------------|

#### Seal Material Options

|                |                |
|----------------|----------------|
| Seal Material: | Buna<br>Viton® |
|----------------|----------------|

Filter Assembly Weight (Housing & element):

|        |                |
|--------|----------------|
| Size   | 015            |
| Weight | 7 lbs (3.2 kg) |

## Elements

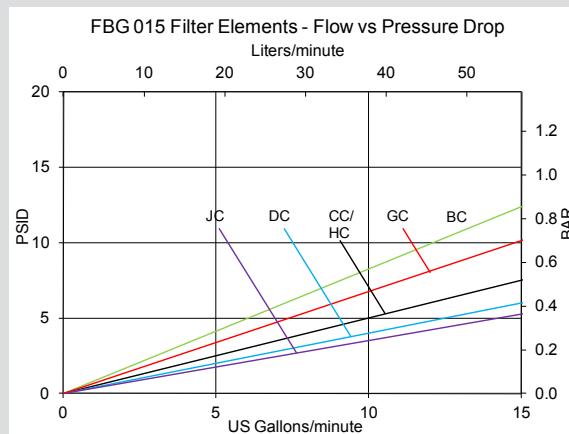
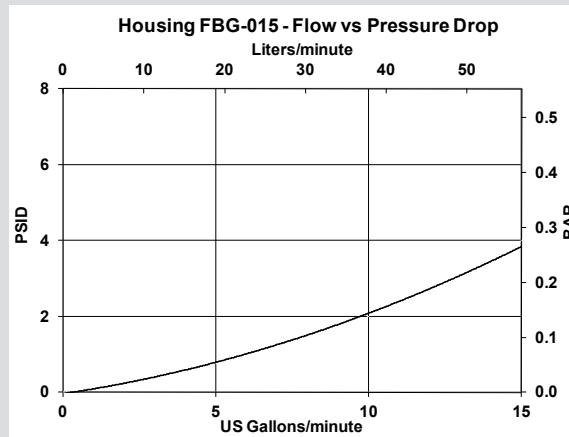
PTI filter elements are manufactured with the highest quality materials. PTI filter elements feature multi-layer construction for increased dirt-holding capacity and low pressure drop. PTI elements provide cost-effective contamination control for the most demanding applications. All elements are tested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

| 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 ( $\beta$ ) is greater than or equal to the indicated value (200 or 1000). |                    |                         |                          |
|   | Per ISO 4572       | Per ISO 16889           |                          |
| Code  | $\beta_x \geq 200$ | $\beta_{x(c)} \geq 200$ | $\beta_{x(c)} \geq 1000$ |
| G   | 3 $\mu$ m          | 5 $\mu$ m               | 7 $\mu$ m                |
| H   | 6 $\mu$ m          | 7 $\mu$ m               | 9 $\mu$ m                |
| J   | 23 $\mu$ m         | 21 $\mu$ m              | 24 $\mu$ m               |

| Code | Micron Rating | Media     |
|------|---------------|-----------|
| B    | 3 $\mu$ m     | Cellulose |
| C    | 10 $\mu$ m    | Cellulose |
| D    | 23 $\mu$ m    | Cellulose |

## Flow Rate/Pressure Drop Curves

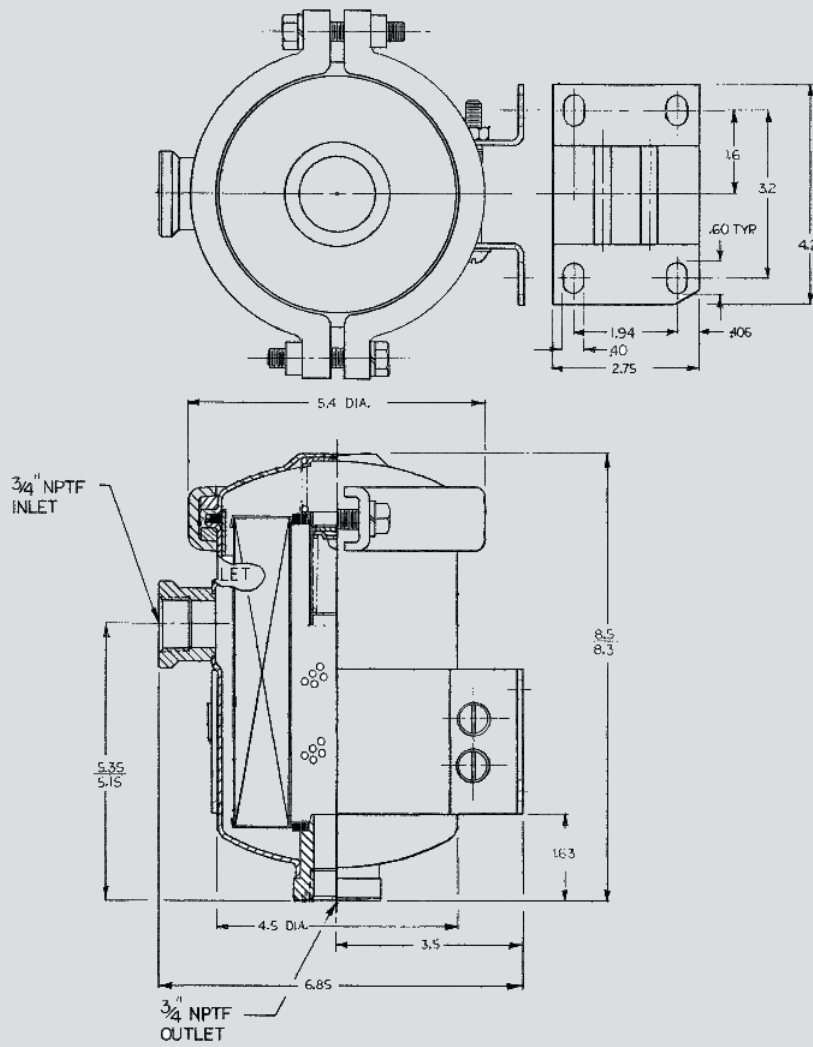


Pressure drop curves are for clean elements using 150 SUS (32 cSt) petroleum base hydraulic fluid of 0.9 S.G.

$$\text{Filter Assembly } \Delta P = \text{Housing } \Delta P + \text{Element } \Delta P$$

# Dimensions\*

\* Dimensions in inches (mm)



## Ordering Information

Assembly:

|       |   |       |       |       |       |       |       |       |       |   |   |   |
|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|
| FBG   | - | XXX   | -     | X     | X     | -     | X     | X     | X     | X | X | X |
| TBL 1 |   | TBL 2 | TBL 3 | TBL 4 | TBL 5 | TBL 6 | TBL 7 | TBL 8 | TBL 9 |   |   |   |

**Table 1** Size

| Code | Nominal Flow    |
|------|-----------------|
| 015  | 15 gpm (57 lpm) |

**Table 2** Filtration Rating

| Code | Micron Rating             | Media     |
|------|---------------------------|-----------|
| G    | $\beta_{7(c)} \geq 1000$  | Glas-Tech |
| H    | $\beta_{9(c)} \geq 1000$  | Glas-Tech |
| J    | $\beta_{24(c)} \geq 1000$ | Glas-Tech |
| B    | 3 $\mu\text{m}$           | Cellulose |
| C    | 10 $\mu\text{m}$          | Cellulose |
| D    | 25 $\mu\text{m}$          | Cellulose |
| N    | No Filter Element         |           |

**Table 3** Collapse

| Code | Collapse Rating   |
|------|-------------------|
| C    | 75 psid (5 bar)   |
| N    | No Filter Element |

**Table 4** Seals

| Code | Material |
|------|----------|
| B    | Buna     |
| V    | Viton*   |

**Table 5** Port

| Code | Option    |
|------|-----------|
| D    | 3/4 " NPT |

**Table 6** Gauge Ports

| Code | Option |
|------|--------|
| O    | None   |

\* Glas-Tech elements only  
 Viton® is a registered trademark of  
 DuPont Performance Elastomers

**Table 7** Indicators

| Code | Option |
|------|--------|
| N    | None   |

**Table 8** Bypass

| Code | Option                    |
|------|---------------------------|
| H    | 50 psid (3.4 bar)<br>±10% |
| N    | No Bypass                 |

**Table 9** Drain Port

| Code | Option |
|------|--------|
| N    | None   |

Element:

|       |   |       |       |       |   |   |   |
|-------|---|-------|-------|-------|---|---|---|
| FBG   | - | XXX   | -     | X     | X | - | X |
| TBL 1 |   | TBL 2 | TBL 3 | TBL 4 |   |   |   |

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| Code | Nominal Flow    |
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