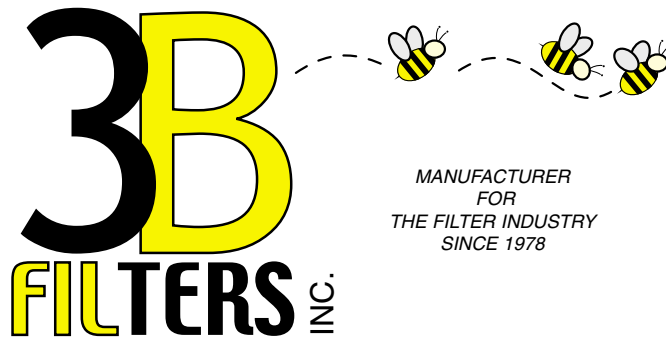




MANUFACTURER  
FOR  
THE FILTER INDUSTRY  
SINCE 1978

## 8600 SERIES

10,000 & 20,000 PSI Operating

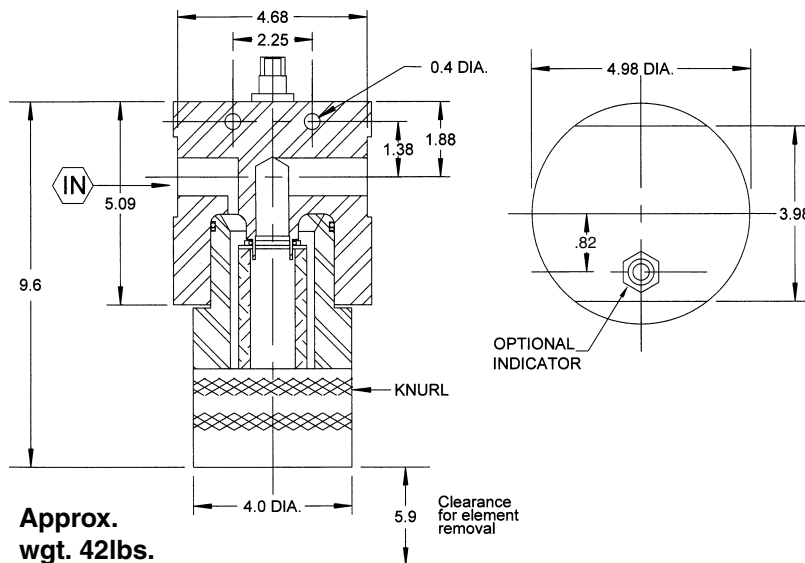


*Also, ask for the 3B Interchange Guide with over 100,000 interchange elements available.*



4642 West 92nd Street  
Oak Lawn, IL 60453  
Phone (708) 636-6240  
Toll Free 866-3BFILTERS (323-4583)  
Fax (708) 636-6251  
sales@3bfilters.com

## 10 - GPM Size / 233 Element



## Specifications

### 10,000-PSI Filter

Operating 10,000  
Proof 15,000  
Burst 40,000

Housing Material  
303 Stainless  
316 Stainless

### 20,000-PSI Filter

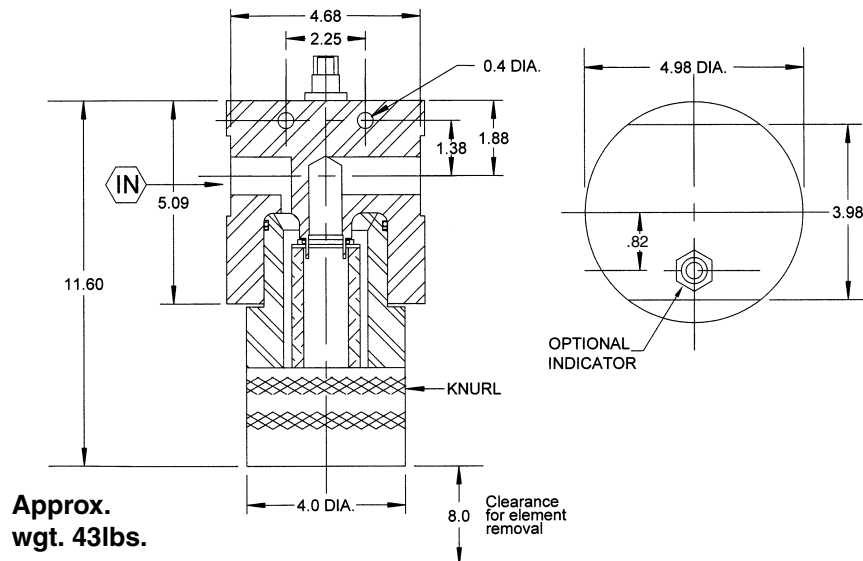
20,000 Operating  
30,000 Proof  
100,000 Burst\*\*

Housing material  
17-4 PH

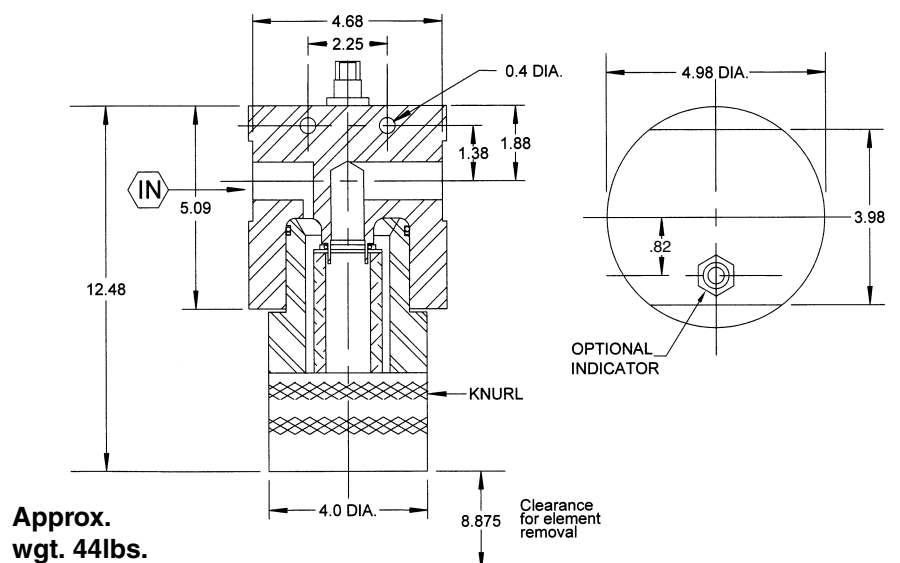
Weight  
up to 44 Lbs.

\*\*Indicators and Bypass  
Have Been Tested to  
60,000 psi Without  
Leakage

## 16 - GPM Size / 234 Element



## 24 - GPM Size / 284 Element



# 8600 PART 3

## HOW TO ORDER

### EXAMPLE FILTER ASSEMBLY

S 86 1 2 - N 10W C - ACCESSORIES  
A B C D E F G H I

### EXAMPLE REPLACEMENT ELEMENT

233 - 25M D V  
T T T T  
B E F D  
(ELEMENT SIZE ON CHART)

#### A

| HOUSING MATERIAL |         |            |
|------------------|---------|------------|
| S                | 303 SS  | 10,000-PSI |
| G                | 316 SS  | 10,000-PSI |
| P                | 17-4 PH | 20,000-PSI |

#### B

| B | FLOW                 |
|---|----------------------|
| 1 | 10 GPM (233) Element |
| 2 | 16 GPM (234) Element |
| 3 | 24 GPM (284) Element |

#### C

| Port Code | Size Port Size |
|-----------|----------------|
| 1         | 1/4 M/P        |
| 2         | 3/8 M/P        |
| 3         | 9/16 M/P       |
| 4         | 3/4 M/P        |
| 5         | 1/4 NPT*       |
| 6         | 1/2 NPT*       |
| 7         | 3/4 NPT*       |
| 8         | 1" NPT*        |
| 9         | 1/2 SAE*       |

\*10,000-PSI MAX.

#### D

| O-RING SPECIFICATIONS |                                |                |
|-----------------------|--------------------------------|----------------|
| CODE                  | MATERIAL                       | TEMPERATURES   |
| N**                   | Nitrile(Buna)                  | -40° to 250°F  |
| V**                   | Viton®                         | -20° to 400°F  |
| E                     | Ethylene Propylene             | -60° to 300°F  |
| K                     | Kalrez®                        | -320° to 450°F |
| S                     | Teflon Encapsulated Viton Core | -4° to 400°F   |

\*\*for 90- durometer add 9 to code (example: V9)  
©DuPont

#### E

| Micron Code | Rating Nom. | Abs. | Micro Glass | SST Wire Mesh | Sintered Metal |
|-------------|-------------|------|-------------|---------------|----------------|
| 1M          |             | 1    | X           |               |                |
| 3M          |             | 3    | X           |               |                |
| 6M          |             | 6    | X           |               |                |
| 12M         |             | 12   | X           |               |                |
| 25M         |             | 25   | X           |               |                |
| 10W         | 2           | 10   |             | X             |                |
| 18W         | 5           | 18   |             | X             |                |
| 25W         | 10          | 25   |             | X             |                |
| 40W         | 20          | 40   |             | X             |                |
| 75W         | 40          | 75   |             | X             |                |
| 100W        | 75          | 100  |             | X             |                |
| 150W        | 100         | 150  |             | X             |                |
| 1PM         | 0.05        | 0.2  |             |               | X              |
| 2PM         | 0.2         | 0.7  |             |               | X              |
| 3PM         | 0.3         | 2    |             |               | X              |
| 4PM         | 0.8         | 5    |             |               | X              |

#### F

| COLLAPSE RATING |                          |
|-----------------|--------------------------|
| CODE            | DESCRIPTION              |
| C               | Microglass 300-PSI       |
| D               | Microglass 3,250-PSI     |
| E               | 304 Wire Mesh 4,5000-PSI |
| F               | 316 Sintered 2,000-PSI   |

#### G

| ACCESSORIES |                                 |
|-------------|---------------------------------|
| V           | Visual Indicator -40 PSID**     |
| E           | Electrical Indicator -40 PSID** |
| D1          | 1/8 NPT △ P Port *              |
| D2          | 1/4 NPT △ P Port *              |
| DMP         | 1/4 M/P △ P Port                |

#### H

| B *                                          | BYPASS** |
|----------------------------------------------|----------|
| * Insert Pressure Setting Default is 50 PSDI |          |

\*\* Tested without leakage to 60,000 psi

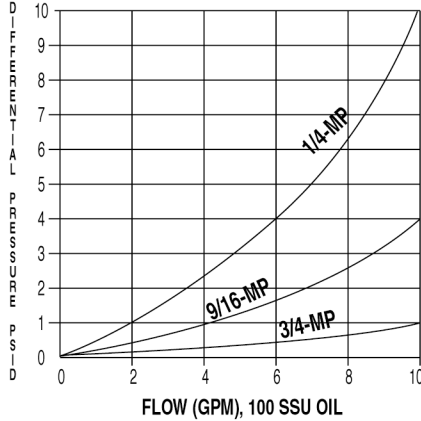
#### I

| BOWL DRAIN |             |              |
|------------|-------------|--------------|
| CODE       | DESCRIPTION | AVAILABILITY |
| B1         | 1/8-NPT     | S & G        |
| B2         | 1/4-NPT     | S & G        |
| B4         | 1/4-SAE     | S & G        |
| BMP        | 1/4-MP      | P            |

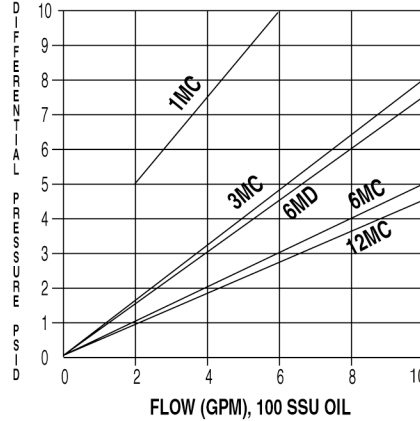
## FLOW DATA (PRESSURE DROP vs. FLOW)

### Flow Data - 10-GPM SIZE

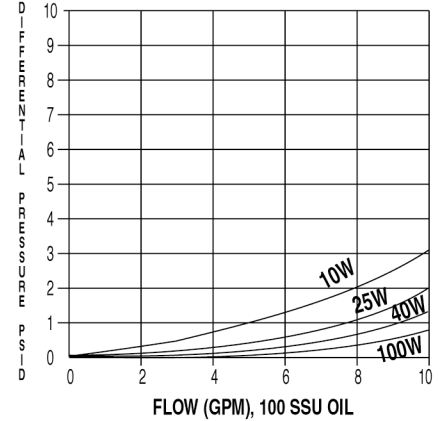
Filter Housing Less Element



233 Series Micro Glass Elements

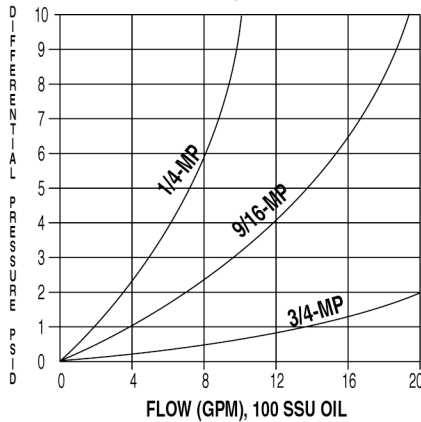


233 Series Stainless Elements

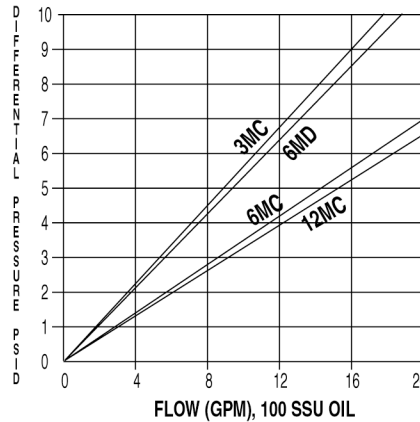


### Flow Data - 16-GPM SIZE

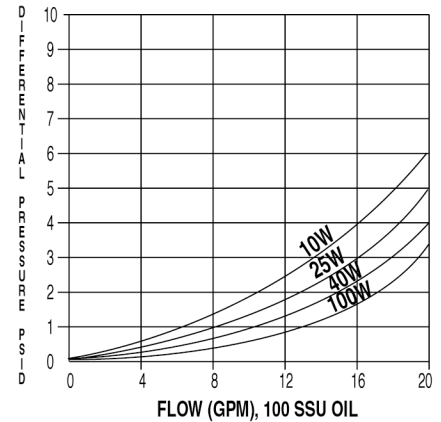
Filter Housing Less Element



234 Series Glass Fiber Elements

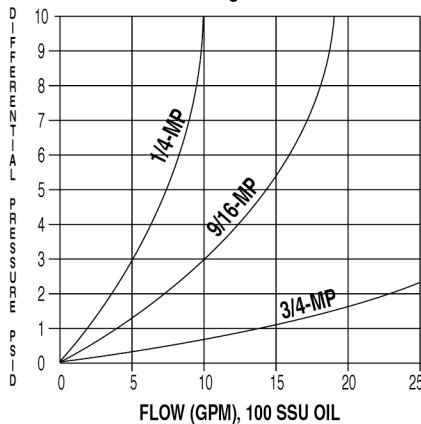


234 Series Stainless Elements

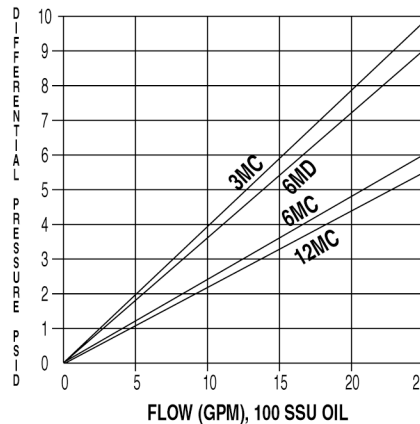


### Flow Data - 24-GPM SIZE

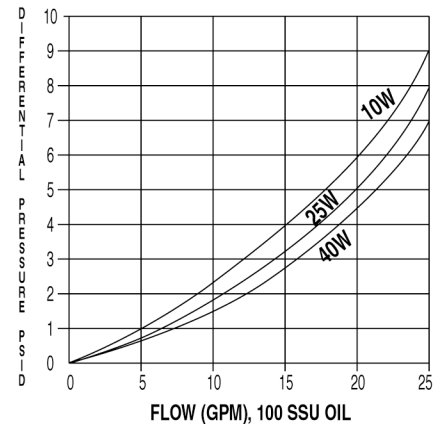
Filter Housing Less Element



284 Series Glass Fiber Elements



284 Series Stainless Elements



**NOTE:** Add pressure drop of the housing to that of the element to obtain total initial clean pressure drop of the assembly.

To determine pressure drop for a different viscosity and density fluid, use the following conversion factor:

$$\text{New } \Delta P = \Delta P @ 100 \text{ SSU} \times \frac{\text{new viscosity, SSU}}{100 \text{ SSU}} \times \frac{\text{new spec. gravity}}{0.9}$$