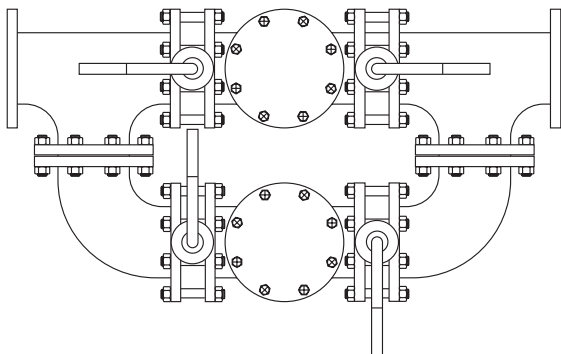




## Design Features:

- Inlet/outlet connections are FF flanged in accordance with ASME B16.1.
- Four individual operated butterfly valves (IFC series BII25W/L) are used to divert and isolate flow.
- 304 SS perforated screens are standard.
- Cast components.
- Quick opening clamp covers (MAWP 50 psig) are optional.
- Drain connections furnished with plug as standard.
- Inexpensive construction and quick delivery.

## Parts List and Standard Materials

| Part                 | Description                                                    | Specifications                                                      |
|----------------------|----------------------------------------------------------------|---------------------------------------------------------------------|
| Basket Strainers x 2 | IFC Model BI25FIBI or BI25FICI<br>Screen 1:<br>Cover Gasket 1: | ASTM A126-B<br>Type 304 SS<br>Graphite                              |
| Butterfly Valves x 4 | IFC Series BII25W/L<br>Seat:<br>Disc:                          | ASTM A126-B<br>EPDM or Buna-N<br>316 SS, Bronze or<br>Ductile Iron. |
| Flanged Fittings x 4 | Cast Iron                                                      | ASTM A126-B                                                         |
| Hardware:            | Carbon Steel                                                   | ASTM A193-B7,<br>A194-2H                                            |
| Gaskets              | Rubber                                                         |                                                                     |

**Notes:** 1. Recommended Spares.  
2. Consult the IFC "Simplex Basket Strainer" and "Butterfly Valve" brochures for detailed information on these items.

## Upper Pressure Limits (Non-Shock)

| Size                     | M.A.W.P.  |
|--------------------------|-----------|
| 5" - 12" (125mm - 300mm) | 200 psig. |

## Upper Pressure Limits (Non-Shock)

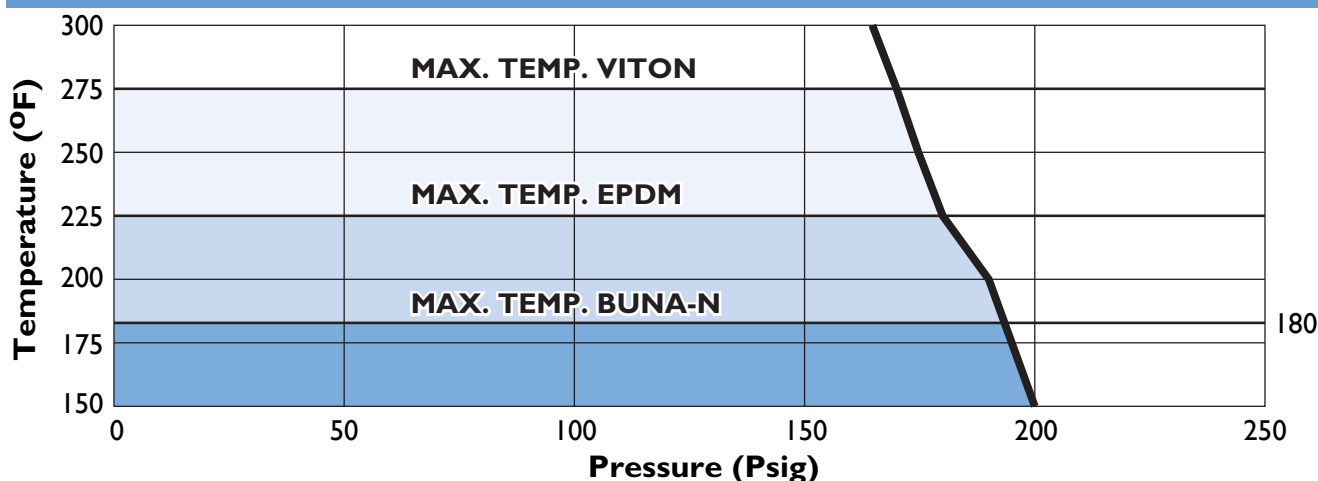
| Body Material | Lower Limit $^{\circ}\text{F}$ ( $^{\circ}\text{C}$ ) |
|---------------|-------------------------------------------------------|
| A126-B        | -20 (-28.9)                                           |

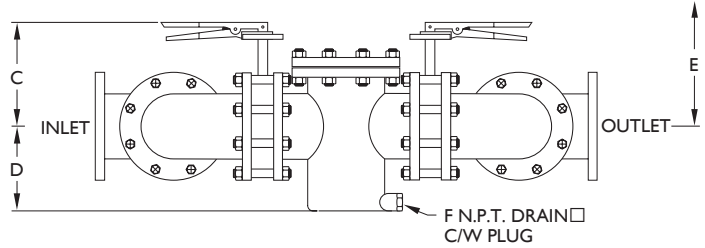
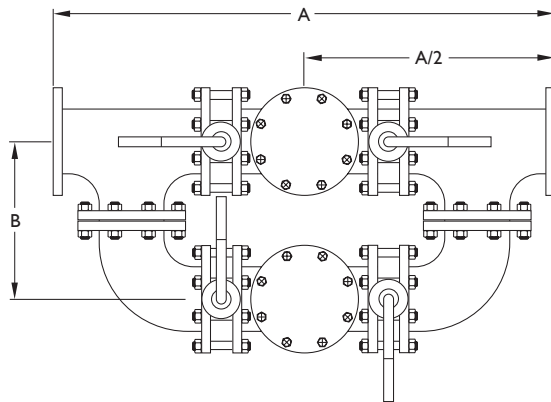
## Upper Pressure Limits (Non-Shock)

| Substance | Upper Limit       |
|-----------|-------------------|
| Fluids    | 30 Ft/s (10 m/s)  |
| Gases     | 200 Ft/s (65 m/s) |

**Notes:** For greater velocities consult factory.

## IFC Series DBI25 Pressure Temperature Chart (Using IFC BII25W/L Butterfly Valves)





## Standard Screens

| Size Range                | Opening           | Gauge Thickness |
|---------------------------|-------------------|-----------------|
| 5" - 8" (125mm - 200mm)   | 0.125 in. (3.2mm) | 22              |
| 10" - 12" (250mm - 300mm) | 0.125 in. (3.2mm) | 16              |

## Dimensional Data

| Size<br>in.<br>(mm) | A<br>in.<br>(mm) | B<br>in.<br>(mm) | C<br>in.<br>(mm) | D<br>in.<br>(mm) | E<br>in.<br>(mm) | F NPT<br>in.<br>(mm) | Weight Lb. (kg.)<br>Cover | Unit |
|---------------------|------------------|------------------|------------------|------------------|------------------|----------------------|---------------------------|------|
| 5"                  | 47.38            | 15.13            | 6.63             | 8.00             | 21.25            | 1                    | 20                        | 725  |
| 125                 | 1203             | 384              | 168              | 203              | 540              | 25                   | 9                         | 329  |
| 6"                  | 51.00            | 16.13            | 7.00             | 8.62             | 22.62            | 1                    | 26                        | 800  |
| 150                 | 1295             | 410              | 178              | 219              | 575              | 25                   | 12                        | 363  |
| 8"                  | 61.00            | 18.13            | 9.25             | 11.75            | 30.25            | 1 1/2                | 45                        | 1400 |
| 200                 | 1549             | 461              | 235              | 298              | 768              | 40                   | 20                        | 636  |
| 10"                 | 69.25            | 22.13            | 10.75            | 13.75            | 35.25            | 1 1/2                | 70                        | 1850 |
| 250                 | 1759             | 562              | 273              | 349              | 895              | 40                   | 32                        | 840  |
| 12"                 | 79.25            | 24.13            | 13.38            | 16.38            | 43.13            | 2                    | 110                       | 3300 |
| 300                 | 2013             | 613              | 340              | 416              | 1096             | 50                   | 50                        | 1497 |

**Notes:** 1. Strainers may be supplied with 50 psig clamped covers. Please contact factory.  
2. Vents and differential connections are optional.

### General:

1. For further optional features see pages 21-22.  
2. Other perforations and screen materials available. Please see page 24.

3. For pressure loss information see page 25.  
4. For ordering information please see page 38.  
5. Dimensions shown are subject to change. Contact factory for certified prints when required.