

### Design Features:

- Strainers are available with threaded (N.P.T.) or socket weld inlet/outlet connections.
- Strainer body meets applicable ASME Standard.
- One piece precision investment cast body.
- Strainers equipped with threaded cover cap that utilize a flat gasket seal.
- Upper and lower machined seats.
- 304 SS perforated screens are standard.
- Drain/Blow-off connection furnished with plug as standard.
- Generous screen area and properly proportioned straining chamber to minimize initial pressure drop while maximizing time between cleanings.

### Parts List and Standard Materials

| Part                | Carbon Steel | Stainless Steel |
|---------------------|--------------|-----------------|
| Body                | A216-WCB     | A351-CF8M       |
| Cap                 | A216-WCB     | A351-CF8M       |
| Screen <sup>1</sup> | 304SS        | 304SS           |
| Plug <sup>2</sup>   | A105         | A182-316        |
| Gasket <sup>1</sup> | Teflon       | Teflon          |

**Notes:** 1. Recommended Spares.

2. Materials of equivalent strength may be substituted at manufacturer's option.

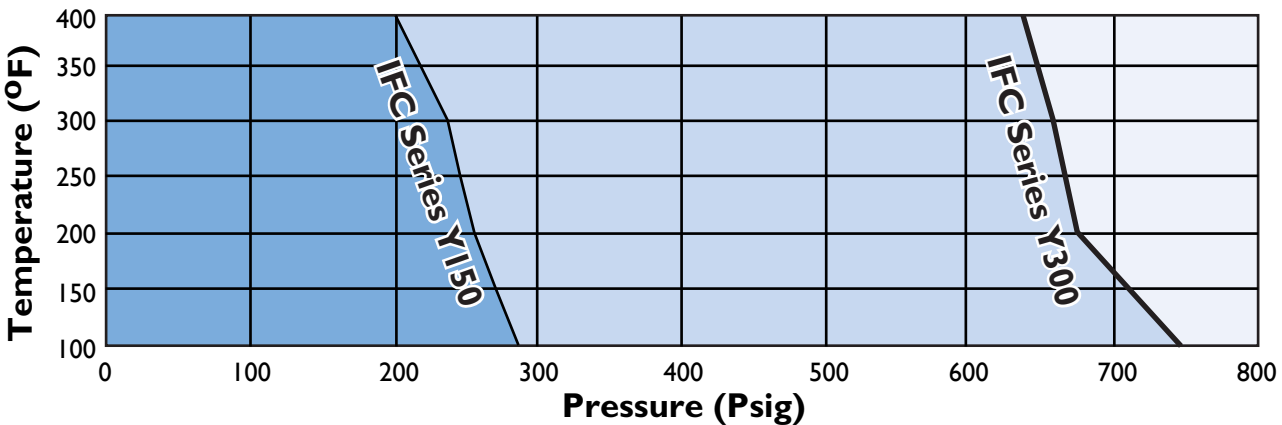
### Upper Pressure Limits (Non-Shock)

| IFC Model (Threaded) | Body Material | M.A.W.P. psig (Bars) |
|----------------------|---------------|----------------------|
| Y150TST              | WCB           | 285 (19.65)          |
| Y150TSST             | CF8M          | 275 (18.96)          |
| Y300TST              | WCB           | 740 (51.02)          |
| Y300TSST             | CF8M          | 720 (49.64)          |

### Lower Temperature Limits

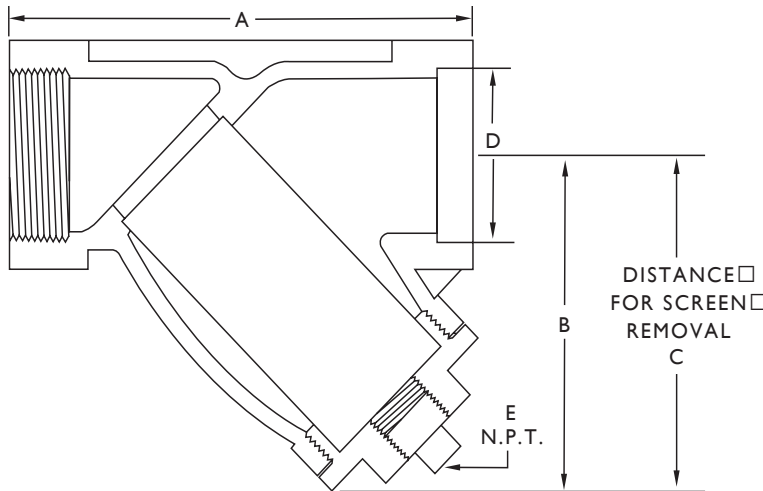
| Body Material | Lower Limit ;F (;C) |
|---------------|---------------------|
| WCB           | -20 (-28.9)         |
| CF8M          | -20 (-28.9)         |

### Pressure Temperature Chart (in accordance with ASME B16.34, WCB)



**Note:** Teflon limited to 400°F maximum sustained operating temperature.

When operating IFC series Y150 and Y300 cast steel strainers at higher temperatures please consult factory.



| Standard Screens |           |
|------------------|-----------|
| Size range       | Opening   |
| 1/2" - 2"        | 0.032 in. |
| 10mm - 50mm      | 0.8 mm    |
| 2 1/2" - 3"      | 0.045 in. |
| 65mm - 80mm      | 1.2 mm    |

### Dimensional Data (Class 150, 300)

| 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 NPT<br>in<br>(mm) |           | Weight<br>Lb.<br>(Kg.) |              |
|--------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|----------------|---------------------|-----------|------------------------|--------------|
|                    | Y150            | Y300        | Y150            | Y300        | Y150            | Y300        | Y150            | Y300           | Y150                | Y300      | Y150                   | Y300         |
| 1/2"<br>15         | -               | 2.31<br>59  | -               | 1.56<br>40  | -               | 2.38<br>60  | -               | 0.855<br>21.72 | -                   | 3/8<br>10 | -                      | 0.50<br>0.22 |
| 3/4"<br>20         | -               | 3.13<br>80  | -               | 2.13<br>54  | -               | 3.19<br>81  | -               | 1.065<br>27.05 | -                   | 3/8<br>10 | -                      | 0.82<br>0.37 |
| 1"<br>25           | -               | 3.31<br>84  | -               | 2.63<br>67  | -               | 4.00<br>102 | -               | 1.330<br>33.78 | -                   | 1/2<br>15 | -                      | 1.50<br>0.68 |
| 1 1/4"<br>32       | -               | 4.13<br>105 | -               | 3.00<br>76  | -               | 4.50<br>114 | -               | 1.675<br>42.55 | -                   | 1/2<br>15 | -                      | 2.0<br>0.90  |
| 1 1/2"<br>40       | -               | 4.69<br>119 | -               | 3.19<br>81  | -               | 4.75<br>121 | -               | 1.915<br>48.64 | -                   | 1/2<br>15 | -                      | 2.75<br>1.25 |
| 2"<br>50           | -               | 5.44<br>138 | -               | 3.81<br>97  | -               | 5.75<br>146 | -               | 2.406<br>61.11 | -                   | 1/2<br>15 | -                      | 4.25<br>1.90 |
| 2 1/2"<br>65       | 7.19<br>183     | 7.19<br>183 | 4.88<br>124     | 4.88<br>124 | 7.25<br>184     | 7.25<br>184 | 2.906<br>73.81  | 2.906<br>73.81 | 1/2<br>15           | 1/2<br>15 | 10<br>4.54             | 10<br>4.54   |
| 3"<br>80           | 8.00<br>203     | 8.00<br>203 | 5.25<br>133     | 5.25<br>133 | 7.50<br>190     | 7.50<br>190 | 3.535<br>89.79  | 3.535<br>89.79 | 1/2<br>15           | 1/2<br>15 | 14<br>6.35             | 14<br>6.35   |

#### General:

1. For further optional features see page 19.
2. Other perforations and screen materials available. Please see page 20.
3. For pressure loss information see page 21 and 23.
4. For ordering information please see page 30.
5. Dimensions shown are subject to change. Contact factory for certified prints when required.