

## SPECIFICATIONS

# FIGURE 557

## Y-STRAINER

**FNW**

### 125# FLANGED 200 WOG CAST IRON Y-STRAINER

#### FEATURES

- 200 WOG non-shock (-20°F – 150°F)
- 125 PSI WSP (125 PSI at 450°F)
- Flat-faced flanges
- Flanged ends comply to ANSI B16.1
- Perforated stainless steel screen:
  - 1/16" holes (2" – 4")
  - 1/8" holes (5" – 12")
- Blow-off plug included
- Test pressure: shell (Hydro) 300 PSI per ANSI B16.1
- Markings per MSS SP-25
- Pre-drilled NPT ports for gauge installation



#### FIGURE NUMBER MATRIX

| FNW557          |         |
|-----------------|---------|
| Size Code (in.) |         |
| 2 = K           | 6 = U   |
| 2-1/2 = L       | 8 = X   |
| 3 = M           | 10 = 10 |
| 4 = P           | 12 = 12 |
| 5 = S           |         |

#### REPLACEMENT PARTS

| FNW557        |               |
|---------------|---------------|
| Screens (in.) | Gaskets (in.) |
| 2 = SK        | 2 = GK        |
| 2-1/2 = SL    | 2-1/2 = GL    |
| 3 = SM        | 3 = GM        |
| 4 = SP        | 4 = GP        |
| 5 = SS        | 5 = GS        |
| 6 = SU        | 6 = GU        |
| 8 = SX        | 8 = GX        |
| 10 = S10      | 10 = G10      |
| 12 = S12      | 12 = G12      |

#### CV AND WEIGHTS

| Size (in.) | Cv   | Weight (lbs) |
|------------|------|--------------|
| 2          | 62   | 8            |
| 2-1/2      | 98   | 12           |
| 3          | 155  | 15.5         |
| 4          | 269  | 27           |
| 5          | 364  | 42.5         |
| 6          | 585  | 60           |
| 8          | 942  | 101.5        |
| 10         | 1572 | 154          |
| 12         | 2261 | 230          |

#### STANDARD SCREEN SUPPLIED – SCREEN PROTECTOR

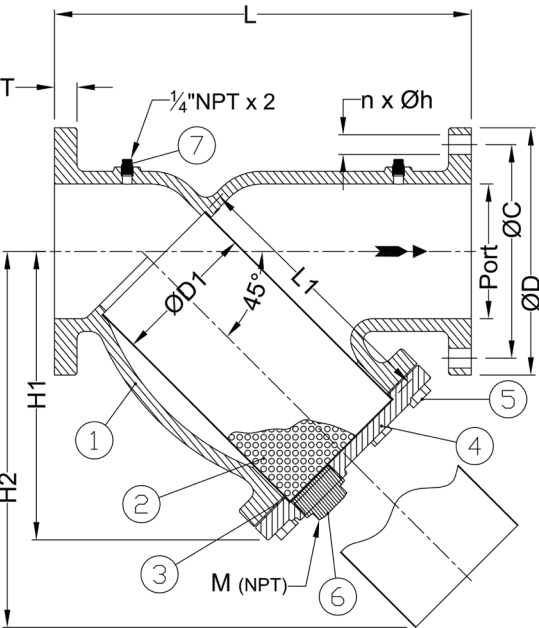
| Size   |           | For Liquid |     | Open Area |
|--------|-----------|------------|-----|-----------|
| in.    | DN        | in.        | mm  |           |
| 2 – 4  | 50 – 100  | 1/16       | 1.6 | 30%       |
| 5 – 10 | 125 – 250 | 1/8        | 3.2 | 43%       |
| 12     | 300       | 1/8        | 3.2 | 43%       |

FIGURE 557  
Y-STRAINER



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PARTS DIAGRAM



PART MATERIALS AND QUANTITY

| Ref # | Part            | Material        | Specification | Qty   |
|-------|-----------------|-----------------|---------------|-------|
| 1     | Body            | Cast Iron       | ASTM A126-B   | 1     |
| 2     | Screen          | Stainless Steel | SUS 304       | 1     |
| 3     | Gasket          | Non-Asbestos    | —             | 1     |
| 4     | Cover           | Cast Iron       | ASTM A126-B   | 1     |
| 5     | Hex Head Bolt   | Steel           | SAE J429 Gr.5 | 1 Set |
| 6     | Plug            | Carbon Steel    | —             | 1     |
| 7     | Plug (1/4" NPT) | Carbon Steel    | —             | 2     |

| Size (in.) | DN    | Port | H1    | H2    | L     | L1    | C     | D    | D1    | T    | M (NPT) (in.) | nxh (in.) |
|------------|-------|------|-------|-------|-------|-------|-------|------|-------|------|---------------|-----------|
| 2          | DN50  | 2    | 5.25  | 7     | 7.88  | 4.31  | 4.75  | 6    | 2.13  | 0.62 | 1/2           | 4x3/4     |
| 2-1/2      | DN65  | 2.5  | 6.5   | 9.75  | 10    | 5.38  | 5.5   | 7    | 2.69  | 0.69 | 1             | 4x3/4     |
| 3          | DN80  | 3    | 7     | 10    | 10.13 | 5.56  | 6     | 7.5  | 3.13  | 0.75 | 1             | 4x3/4     |
| 4          | DN100 | 4    | 8.25  | 12    | 12.12 | 7.25  | 7.5   | 9    | 4     | 0.94 | 1-1/2         | 8x3/4     |
| 5          | DN125 | 5    | 11.25 | 20    | 15.62 | 10.18 | 8.5   | 10   | 4.5   | 0.94 | 2             | 8x7/8     |
| 6          | DN150 | 6    | 13.5  | 20    | 18.5  | 11.75 | 9.5   | 11   | 6.44  | 1.00 | 2             | 8x7/8     |
| 8          | DN200 | 8    | 15.5  | 22.75 | 21.63 | 13.13 | 11.75 | 13.5 | 8.37  | 1.12 | 2             | 8x7/8     |
| 10         | DN250 | 10   | 18.5  | 28    | 25.75 | 16.38 | 14.25 | 16   | 10.44 | 1.19 | 2             | 12x1      |
| 12         | DN300 | 12   | 21.75 | 30    | 29.87 | 15.25 | 17    | 19   | 12.44 | 1.25 | 2             | 12x1      |