

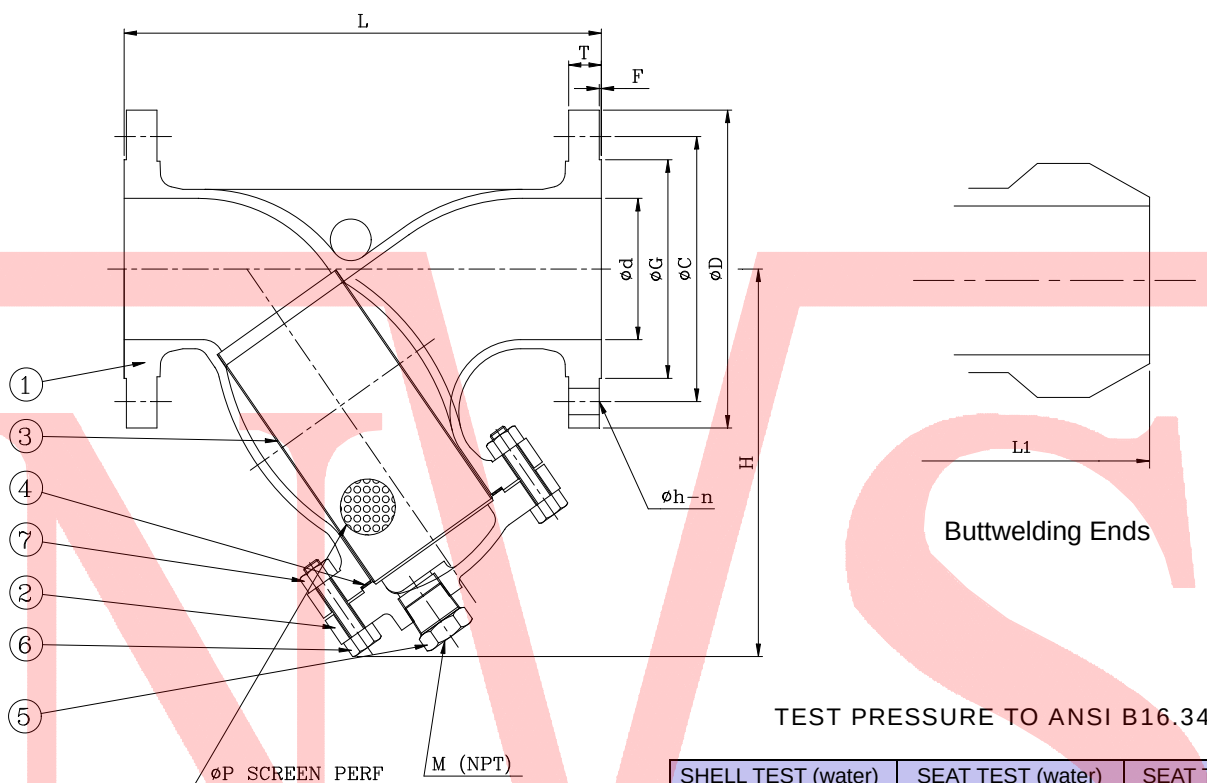
# CAST STEEL Y-STRAINER – ANSI CLASS 300

## DESIGN DESCRIPTION:

- Y-PATTERN
- BOLTED COVER WITH DRAIN PLUG
- PERFORATED STAINLESS STEEL SCREEN
- FLANGED ENDS
- BUTTWELDING ENDS

## APPLICABLE STANDARDS:

- SHELL WALL THICKNESS, ANSI B16.34
- PRESSURE-TEMPERATURE RATING, ANSI B16.34
- END FLANGES, ANSI B16.5
- BUTTWELDING ENDS, ANSI B16.25



TEST PRESSURE TO ANSI B16.34

PSIG

| SHELL TEST (water)             | SEAT TEST (water) | SEAT TEST (air) |
|--------------------------------|-------------------|-----------------|
| 1125 ( 79 kg/cm <sup>2</sup> ) | —                 | —               |

## PARTS AND MATERIAL (ASTM)

| NO. | PARTS NAME     | MATERIALS         |          |          |
|-----|----------------|-------------------|----------|----------|
|     |                | WCB               | LCB      | WC6      |
| 1   | Body           | A216-WCB          | A352-LCB | A217-WC6 |
| 2   | Cover          | A216-WCB          | A352-LCB | A217-WC6 |
| 3   | Screen         | A240-304          |          |          |
| 4   | Gasket         | Grafoil+316 Sheet |          |          |
| 5   | Plug           | A276-304          |          |          |
| 6   | Cover Bolt     | A193-B7           |          |          |
| 7   | Cover Bolt Nut | A194-2H           |          |          |

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

## DIMENSION TABLE:

| DN  | NPS   | $\phi d$ | L&L1 | H     | T  | F   | $\phi D$ | $\phi C$ | $\phi G$ | $\phi h$ | n  | M      |
|-----|-------|----------|------|-------|----|-----|----------|----------|----------|----------|----|--------|
| 50  | 2     | 51       | 219  | 169.4 | 23 | 1.6 | 165      | 127.0    | 92       | 19       | 8  | 1/2"   |
| 65  | 2 1/2 | 64       | 269  | 190.0 | 26 | 1.6 | 190      | 149.0    | 105      | 22       | 8  | 1"     |
| 80  | 3     | 76       | 305  | 230.5 | 29 | 1.6 | 210      | 168.5    | 127      | 22       | 8  | 1"     |
| 100 | 4     | 102      | 368  | 278.6 | 32 | 1.6 | 254      | 200.0    | 157      | 22       | 8  | 1-1/2" |
| 150 | 6     | 152      | 490  | 369.3 | 37 | 1.6 | 318      | 270.0    | 216      | 22       | 12 | 2"     |
| 200 | 8     | 203      | 594  | 440.2 | 42 | 1.6 | 381      | 330.0    | 270      | 25       | 12 | 2"     |
| 250 | 10    | 254      | 695  | 530.0 | 48 | 1.6 | 445      | 387.5    | 324      | 29       | 16 | 2"     |
| 300 | 12    | 305      | 813  | 650.0 | 51 | 1.6 | 521      | 451.0    | 381      | 32       | 16 | 2"     |