

# IS 140 PIPELINE Y STRAINERS

40 BAR Rated

IS140 strainers are applicable to all types of steam, water, oil and air systems. Their purpose is to protect traps, regulating valves, piping, etc. from dirt which often causes of damage and consequent energy loss of fluid systems. Connections are female screwed.

- Options: Different screen aperture sizes  
Drain plug or drain valve in strainer cap
- Use: Saturated steam, water, oil, air and other compatible fluids.
- Available Models: IS 140S – Cast steel  
IS 140I – Stainless steel
- Sizes: DN ½" to DN 2"
- Screens: 0.8 mm aperture
- Connections: Female screwed ISO 7/1 Rp (BS21)
- Installation: Horizontal or vertical downstream installation.



## Type IS140S - Carbon Steel

| Article no. | Size   | Max Pressure BAR |
|-------------|--------|------------------|
| 445683      | 1/2"   | 40               |
| 445684      | 3/4"   | 40               |
| 445685      | 1"     | 40               |
| 445686      | 1 1/4" | 40               |
| 445687      | 1 1/2" | 40               |
| 445688      | 2"     | 40               |

## Type IS140I - 316 Stainless Steel

| Article no. | Size | Max Pressure BAR |
|-------------|------|------------------|
| 348503      | 1/2" | 40               |
| 348504      | 3/4" | 40               |
| 348505      | 1"   | 40               |

## Materials

|                    | IS 140S             | IS 140I             |
|--------------------|---------------------|---------------------|
| 1 Body             | ASTM A216WCB 1.0619 | CF8M / 1.4408       |
| 2 Cap              | A105 / 1.0432       | AISI316 / 1.4401    |
| 3 Gasket*          | St.Steel / Graphite | St.Steel / Graphite |
| 4 Strainer screen* | AISI304 / 1.4301    | AISI304 / 1.4301    |

## Dimensions (mm)

| Size   | A   | B   | C   | Kgs |
|--------|-----|-----|-----|-----|
| 1/2"   | 85  | 63  | 107 | 0,6 |
| 3/4"   | 100 | 80  | 139 | 1   |
| 1"     | 115 | 87  | 155 | 1,5 |
| 1 1/4" | 143 | 107 | 192 | 2,5 |
| 1 1/2" | 160 | 125 | 215 | 3,6 |
| 2"     | 198 | 142 | 242 | 5,7 |

| IS 140S             |               | IS 140I             |               |
|---------------------|---------------|---------------------|---------------|
| Allowable Pressures | Related Temp. | Allowable Pressures | Related Temp. |
| 40 bar              | -10 /50°C     | 40 bar              | -10 /50°C     |
| 33.3 bar            | 200°C         | 33,7 bar            | 200°C         |
| 27.6 bar            | 300°C         | 29.7 bar            | 200°C         |
| 25.7 bar            | 350°C         | 28.5 bar            | 350°C         |
| 23.8 bar            | 400 °C        | 27.4 bar            | 400 °C        |

| CE MARKING (PED - European Directive 97/23/EC) |                          |
|--|--------------------------|
| PN 40  | Category                 |
| DN 15 to DN 32                                 | SEP - art. 3, paragraph3 |
| DN 40 and DN 50                                | 1 (CE Marked)            |

