

In-Line Strainer

The Singer Model In-Line Strainer is designed to protect control valves and pipelines from foreign matter and debris in the flow stream.

NOTE: pressure gauges are optional



TECHNICAL GUIDE: **AVH2.1**

Applications

Potable water
Control valve protection
Municipal
Mining applications
Irrigation applications

Product Attributes

316 Stainless Steel
Large area Z plate screen
Ductile iron, fusion bonded epoxy coating

Quality

ISO 9001:2015 Quality Management Systems
Flanges to AS/NZS 4087

The Z plate screen design is excellent for providing a smooth laminar flow, which is ideal for locations ahead of automatic control valves.

The Z plate screen is manufactured in corrosion resistant Stainless Steel and allows for a large flow area. It is easily removed by taking off the top cover plate. It is also supplied with flushing ports on both sides of the strainer along with an air bleed connection and connections across the screen for the installation of a differential pressure gauge if required.

STANDARD MATERIALS

- Body: ASTM A536-65/45/12 Ductile Iron, fusion bonded Epoxy coating
- Cover: 1045 Steel, fusion, bonded epoxy coated
- Seal: Buna-N
- Screen: 316 Stainless Steel
- Drain Plug: 316 Stainless Steel

TECHNICAL SPECIFICATIONS

- Pressure rating: PN16. Higher pressure ratings available on request.
- Max temperature: 82°C

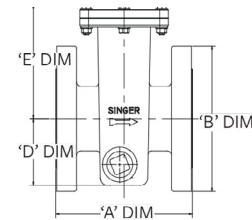
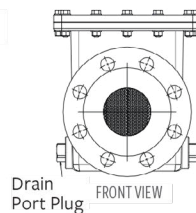
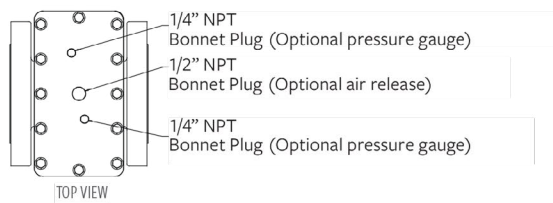


TABLE 1 Pressure Drop

| Size (mm) | L/s | KPA |
|-----------|-----|-----|
| 50 | 13 | 17 |
| 65 | 19 | 24 |
| 80 | 29 | 22 |
| 100 | 50 | 16 |
| 150 | 114 | 15 |
| 200 | 196 | 17* |
| 250 | 309 | 41* |
| 300 | 442 | 52* |

*Estimated

TABLE 2

| Item Code | Size (mm) | A (mm) | B (mm) | D* (mm) | E (mm) | NPT Drain Plugs | Screen Perforation |
|-----------|-----------|--------|--------|---------|--------|-----------------|--------------------|
| 0005-2124 | 50 | 230.1 | 152.4 | 96.8 | 165.6 | 31.8 | 4.1 |
| 0005-2125 | 65 | 230.1 | 177.8 | 96.8 | 165.6 | 31.8 | 4.1 |
| 0005-2105 | 80 | 190.5 | 190.5 | 96.8 | 165.9 | 31.8 | 4.1 |
| 0005-2106 | 100 | 190.5 | 228.6 | 108 | 186.2 | 31.8 | 4.1 |
| 0005-2107 | 150 | 228.6 | 279.4 | 139.7 | 218.7 | 38.1 | 4.1 |
| 0005-1352 | 200 | 228.6 | 342.9 | 172.7 | 250.2 | 38.1 | 4.1 |
| 0005-2117 | 250 | 254 | 406.4 | 219.2 | 285.8 | 50.8 | 4.1 |
| 0005-2120 | 300 | 304.8 | 485.9 | 257.3 | 333 | 50.8 | 4.1 |



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