HYGRADEWATER INFRASTRUCTURE

SINGER® a MUELLER brand

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
- Flanges to AS/NZS 4087 PN16 B5

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*

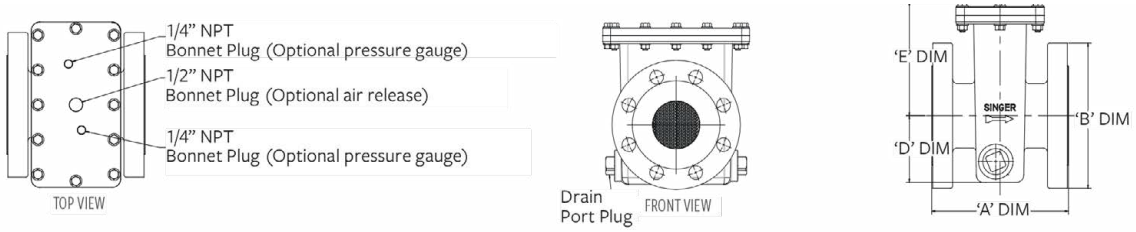

TABLE 2

Item Code	**Size** (mm)	**A** (mm)	**B** (mm)	**D*** (mm)	**E** (mm)	**NPT Drain Plugs**	**Screen Peforation**
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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Disclaimer: While every effort has been made to ensure that the information in this document is correct and accurate, users of Hygrade Water Infrastructure product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by Hygrade Water Infrastructure unless expressly stated in any sale and purchase agreement entered into between Hygrade Water Infrastructure and the user.

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