

In-Line Strainer

Technical Guide W7.14

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



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

We are the supply partner of choice for New Zealand's civil construction industry, specialising in water and infrastructure based solutions.

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*

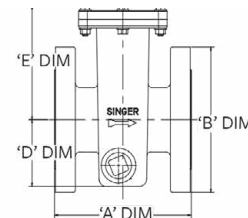
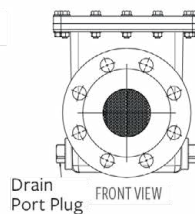
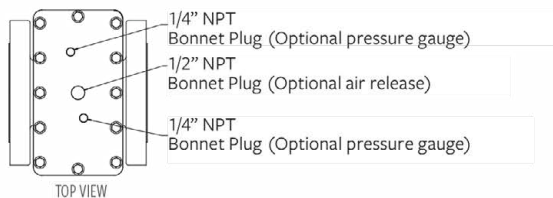


TABLE 2

Item Code	Size (mm)	A (mm)	B (mm)	D* (mm)	E (mm)	NPT Drain Plugs	Screen Peforation
STRAINER050IL	50	230.1	152.4	96.8	165.6	31.8	4.1
STRAINER065IL	65	230.1	177.8	96.8	165.6	31.8	4.1
STRAINER080IL	80	190.5	190.5	96.8	165.9	31.8	4.1
STRAINER100IL	100	190.5	228.6	108	186.2	31.8	4.1
STRAINER150IL	150	228.6	279.4	139.7	218.7	38.1	4.1
STRAINER200IL	200	228.6	342.9	172.7	250.2	38.1	4.1
STRAINER250IL	250	254	406.4	219.2	285.8	50.8	4.1
STRAINER300IL	300	304.8	485.9	257.3	333	50.8	4.1

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