



## Singer Valve Model ZS Strainer

### KEY FEATURES

- 316 Stainless Steel, large area Z plate screen
- Ductile iron, fusion-bonded, epoxy-coated construction
- 316 Stainless Steel Z screen
- Complies with AWWA C701 & C702

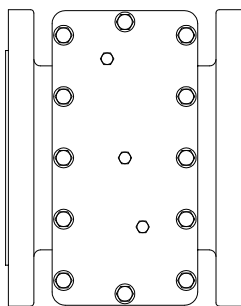
## Product Overview

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

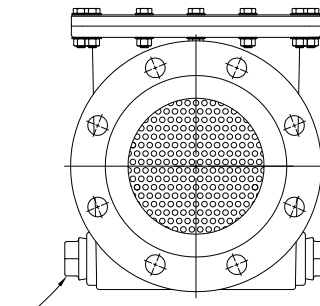
The Z plate design is excellent for providing a smooth laminar flow, which is ideal for locations ahead of automatic control valves.

The Z plate 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.

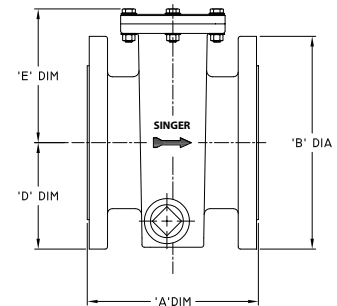
## Product Line Drawing



Top View



Front View



Side View

Dimensions in inches 150 lb. / 300 lb. Flanged

Size	'A' DIM Lay Length		'B' DIA Flange OD		'D' DIM C-L Bottom		'E' DIM C-L Top	NPT Drain Plugs	Screen Perforation
	150 lb. Flanged	300 lb. Flanged	150 lb. Flanged	300 lb. Flanged	150 lb. Flanged	300 lb. Flanged			
3"	7.50	7.86	7.56	8.31	3.80	4.16	5.30	1.25"	0.06
4"	7.50	8.13	9.06	10.06	4.53	5.03	6.50	1.25"	0.06
6"	9.00	9.88	11.19	12.56	5.60	6.28	7.04	1.50"	0.12
8"	9.00	10.00	13.56	15.06	6.80	7.53	8.80	1.50"	0.12

Confirm availability and delivery of all sizes with factory.

## Standard Materials

Body and Cover: ASTM A536-65/45/12 ductile iron, fusion bonded, epoxy coated

Seal: Buna-N

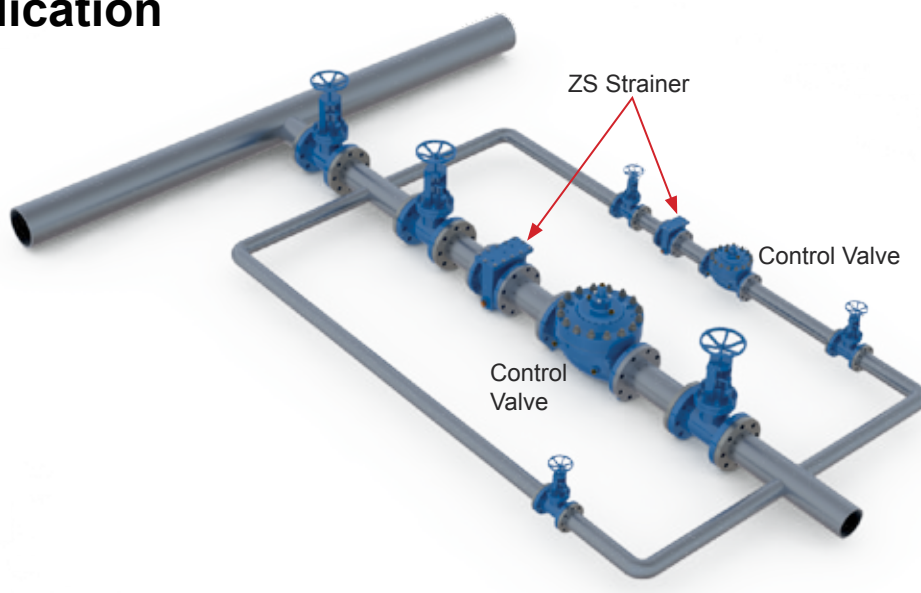
Screen: 316 Stainless Steel

Drain Plug: 316 Stainless Steel

## Specifications

- The strainer shall be a Singer Model ZS, ANSI Class 150 (ANSI 300, ANSI Flanges drilled to PN 10/16/ 25 or 40) pressure rating/flange standard.
- The strainer body and cover shall be constructed of ASTM A536-65/45/12 ductile iron or equivalent.
- The strainer shall have a protective fusion bonded coating externally and internally that shall conform to ANSI/ AWWA C116/A21.16 (current version) specification. No matching of external parts after final coating will be acceptable to ensure continuous coating surface throughout the entire strainer.
- Strainer screen shall be a 316 Stainless Steel Z plate, drilled/punched with holes to give greater than the pipe area to minimize head loss.
- It shall be removable through the top cover without the need for any special tools. Flat or curved screen will not be acceptable.
- All external fasteners shall be AISI 18-8 Stainless Steel with AISI 18-8 Stainless Steel washers. Mild steel studs or bolts will not be acceptable.
- Drain ports and connection tappings will be supplied with 316 stainless steel plugs.

## Typical Application



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