

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# Series 97FB-FSFE

## UL/FM Fire Service Strainers

### Sizes: 3" – 10"

Series 97FB-FSFE (flanged) UL/FM Fire Service Strainers are used in water spray fire protection systems to protect against clogging that can be caused by particles fouling the discharge opening of the sprinkler heads. Strainers for fire systems are designed to trap foreign material ¼" diameter or larger. This type of strainer is usually installed upstream of most of the devices in the system including the meters, backflow preventers (or detector check valves) and flow alarms, in order to protect these devices from damage caused by dirt and debris.

### Features

- Fabricated steel, epoxy lined and coated body and cover
- With cleanout port
- Large solids trap to minimize screen blockage
- 304 Stainless Steel strainer element

### Specifications

The strainer shall be designed to permit removal of the strainer screen for replacement and repair without removing the body from the line. A flush outlet shall be provided with each strainer. The strainer screen shall withstand 125psi (8.6 bar) when plugged. Friction loss shall not exceed 10psi (69 kPa) when tested with foreign materials (gravel) equal to 2½" of filled pipe trapped in the strainer. Open screen area shall be at least 6 times greater than the nominal pipe size open area. Friction loss shall not exceed 3psi (21 kPa) at rated flow when tested with clean strainer screen and clean water. The strainer shall be a Watts Series 97FB-FSFE.

### Materials

Body and cover:	Corrosion resistant fusion-bonded epoxy lined and coated steel.
Screen:	304 Stainless Steel, 0.25 diameter perforation
Clean-Out Plug:	Brass or Bronze
Flanges:	AWWA Class "D"



97FB-FSFE

### Pressure – Temperature

Suitable for supply pressure up to 175psi (12.1 bar)

Water temperature up to 140° F (60° C)

### Approvals



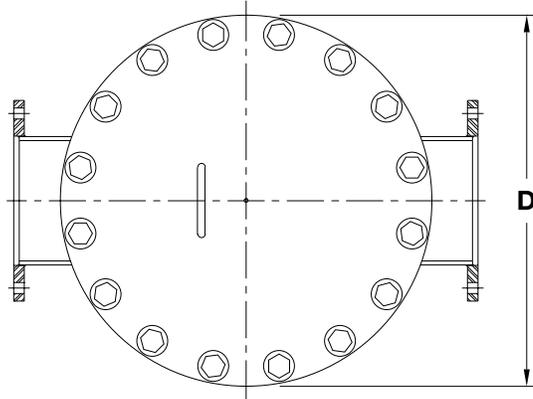
### NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

### NOTICE

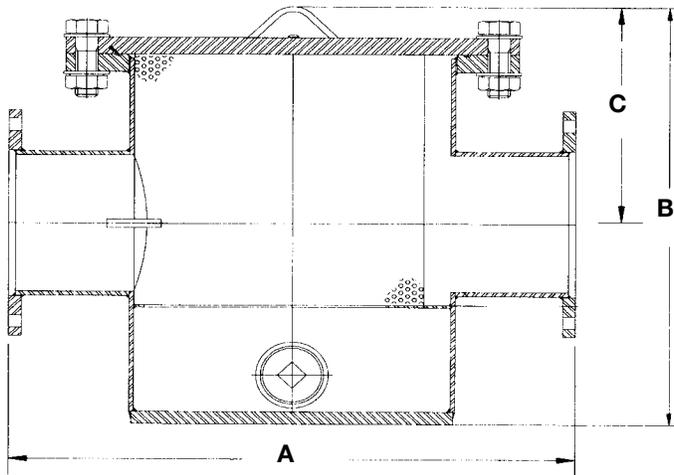
Inquire with governing authorities for local installation requirements

## Dimensions – Weights



**Top View Dimensions**

Size	Lid Diameter (D)	
	in.	mm
3	13½	343
4	13½	343
6	19	483
8	25	635
10	27½	699



* NOM RATED FLOW		SIZE	DIMENSIONS						WEIGHT		STD	STD PERF DIA
GPM	LPM	in.	in.	mm	in.	mm	in.	mm	lb.	kg	in.	mm
325	1235	3	14⅝	359	20⅝	524	10	254	70	32	¼	6.4
600	2280	4	21	533	20⅝	524	10⅝	270	120	54	¼	6.4
1350	5130	6	26⅞	683	22⅝	568	11¼	286	232	105	¼	6.4
2100	7980	8	31¼	794	25⅙	637	13	330	560	254	¼	6.4
3600	13680	10	30	762	29⅙	744	14½	368	570	256	¼	6.4

## Flow vs. Pressure Drop

