

## For Commercial and Industrial Applications

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

Contractor \_\_\_\_\_

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

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

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

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# Series 97FB-CI

## Cast Iron, Simplex, Basket Strainers

### Sizes: 2" – 12" (50-300mm)

Series 97FB-CI cast iron, simplex basket strainers are for use in liquid and steam applications. All sizes of Series 97FB-CI are furnished with a plugged blow-off connection and angle-designed baskets. Sizes 8" (200mm) and larger come with a side drain facing the outlet of the strainer. All sizes come with a bolted cover and a graphite gasket. These strainers may only be installed in a horizontal position.



97FB-CIB

### Features

- Class 125 cast iron body
- Angle-designed basket
- Flanged connections
- Stainless steel screen
- Cast iron retainer cap with graphite gasket
- Blow-off plug

### Models

97FB-CIB bolted screen retainer cover

### Standards

The dimensions and drilling of flanges conform to ANSI B16.1, Class 125 and Class 150 flanges.

### Pressure (Non-Shock)-Temperature

#### Model 97FB-CIB Maximum Working Pressure:

200psi (13.8 bar) at 150°F (66°C) WOG

125psi (8.6 bar) at 353°F (178°C) WSP

### Materials

**Body:** ASTM A-126 Class B cast iron

**Retainer Cap:** ASTM A-126 Class B cast iron

**Screen:** 304 perforated stainless steel

**Cap Gasket:** Graphite

**Blow-off Plug:** ASTM A-126 Class B cast iron

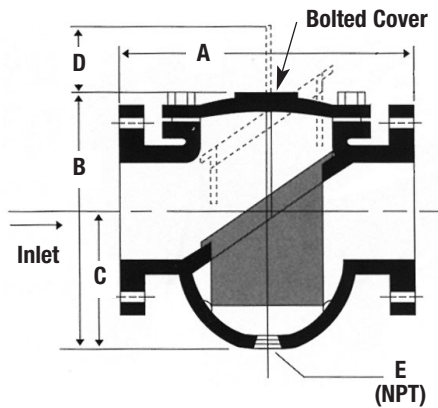
# WATTS®

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

## Standard Screens

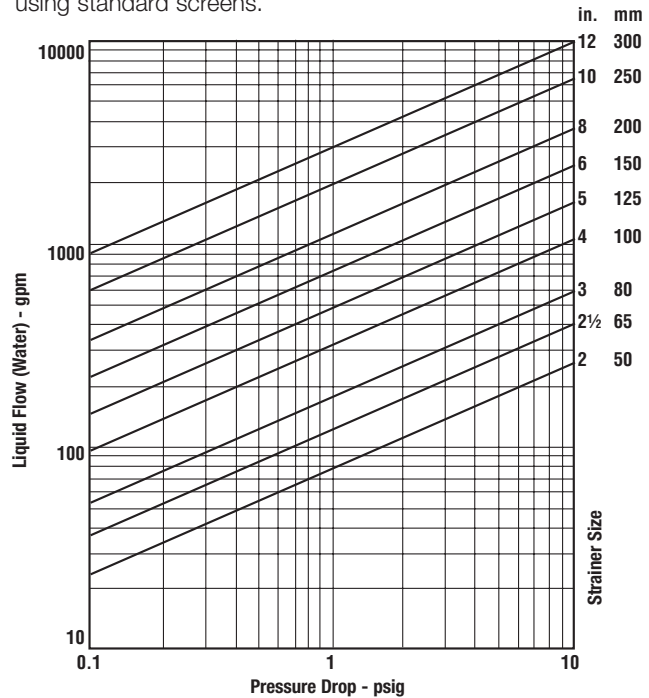
SIZE		OPENINGS		STANDARD SCREENS
<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	
2 - 3	50-80	0.045	1.143	3/64" 304SS perf.
4 - 12	100-300	0.125	0.317	1/8" 304SS perf.

Consult Watts for information and availability of flanged basket strainers manufactured of cast bronze, cast or fabricated steel (UL/FM) and stainless steel. Also available are threaded and socket weld 1/2" - 2" (15-50mm) cast steel basket strainers.



## Performance Data

Table shows flows (gpm-water) at various pressure drops (psi) using standard screens.



## Flow-coefficient

The flow coefficient (Cv) is the number of gallons per minute of water flowing through a given size restriction at a pressure drop of one psi. To obtain the Cv factor for a given size strainer, read capacity at intersection with the one (1) psi pressure drop.

**Conversions:** For gpm to lpm, multiply by 3.8  
For psi to bar, multiply by .069

## Dimensions — Weights

SIZE		DIMENSIONS								REMOVAL CLEARANCE		WEIGHTS	
<i>in.</i>	<i>mm</i>	A		B		C		D		E (NPT)		<i>lbs.</i>	<i>kgs.</i>
		<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>		
2	50	8 1/8	206	8 3/8	213	5	127	5 3/8	137	1	25	22	9.9
2 1/2	65	8 3/4	222	9 5/8	244	5 5/16	135	6 5/16	160	1	25	31	14.0
3	80	9 7/8	251	11 1/4	286	6 1/2	165	8	203	1	25	42	19.0
4	100	11 1/2	292	13 1/2	343	8	203	9 9/16	237	1	25	70	31.7
5	125	13 3/8	333	14 5/8	371	8	203	10 1/4	260	1	25	90	40.8
6	150	14 7/8	378	15 5/8	397	8 5/8	219	11 1/8	283	1 1/4	32	124	56.2
8	200	18 11/16	475	21	533	11 3/4	298	15 9/16	395	3/4	20	270	122.4
1	250	20 1/8	511	24 1/2	622	13 3/4	349	18	457	3/4	20	384	174.1
12	300	26 1/4	667	29 3/4	756	16 3/8	416	23 1/4	591	1	25	670	303.9

Dimensions shown are subject to change. Contact Watts for exact dimensions when required.

# WATTS®

Water Safety & Flow Control Products



ISO 9001-2000  
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