

For Commercial and Industrial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

Series 97FB-CIB Cast Iron, Simplex, Basket Strainers

Sizes: 2" – 12" (50-300mm)

Series 97FB-CIB cast iron, simplex basket strainers are for use in liquid and steam applications. All sizes of Series 97FB-CIB are furnished with a plugged blowdown 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 screen retainer cover and a graphite gasket. These strainers may only be installed in a horizontal position.

Features

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

Blowdown Plug: ASTM A-126 Class B cast iron



No. 97FB-CIB

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.

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

FLTR
Purple Engineering

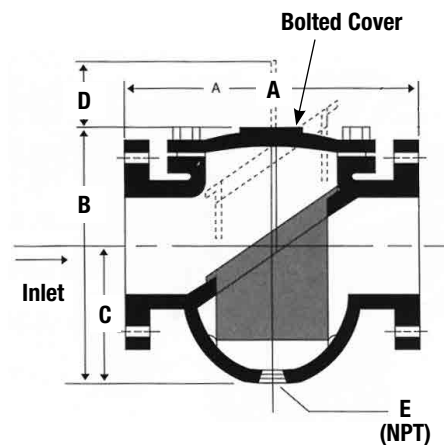
WATTS[®]

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

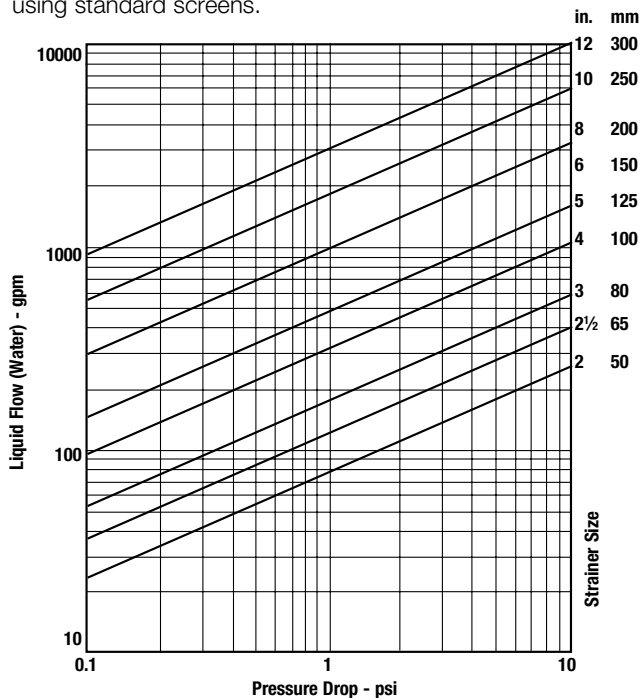
SIZE		OPENINGS		STANDARD SCREENS
<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	
2 - 3	50-80	0.045	1.143	3/64" 304SS perf.
4 - 12	100-300	0.125	0.317	1/8" 304SS perf.

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 (C_V) 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 C_V 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 1/4	210	9 3/8	244	5 5/16	135	6 1/16	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 5/16	237	1	25	70	31.7
5	125	13 1/8	333	14 3/8	371	8	203	10 1/4	260	1	25	90	40.8
6	150	14 7/8	378	15 3/8	397	8 3/8	219	11 1/8	283	1 1/4	32	124	56.2
8	200	18 7/8	479	21	533	11 1/4	298	15 9/16	395	3/4	20	270	122.4
10	250	20	508	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.

