For Commercial and Industrial Applications

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

LEAD FREE*

Series 97FB-CI

Cast Iron, Simplex, Basket Strainers



No. 97FB-CIB

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 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 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

***The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.**

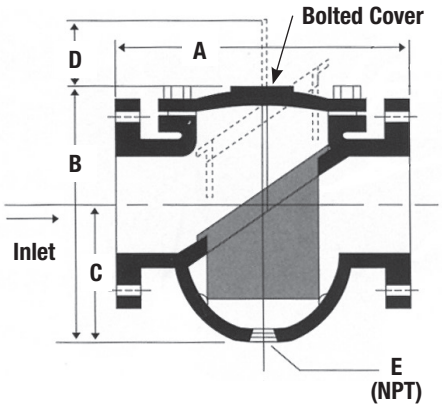
Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior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

WATTS®

Standard Screens

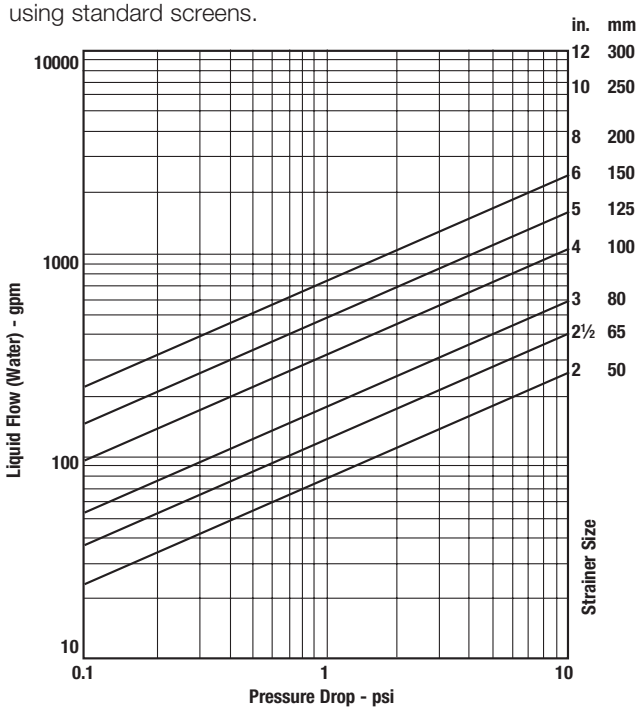
SIZE		OPENINGS		STANDARD SCREENS
in.	*mm*	*in.*	*mm*	
2 - 3	50-80	0.045	1.143	3/64" 304SS perf.
4 - 12	100-300	0.125	0.317	1/8" 304SS perf.

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 ½" - 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	
		A		B		C		D		E (NPT)			
in.	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*lbs.*	*kgs.*
2	50	8⅛	206	8⅜	213	5	127	5⅜	137	1	25	22	9.9
2½	65	8¾	222	9⅝	244	5 5/16	135	6 5/16	160	1	25	31	14.0
3	80	9⅞	251	11¼	286	6½	165	8	203	1	25	42	19.0
4	100	11½	292	13½	343	8	203	9 5/16	237	1	25	70	31.7
5	125	13⅛	333	14⅝	371	8	203	10¼	260	1	25	90	40.8
6	150	14⅞	378	15⅝	397	8⅝	219	11⅛	283	1¼	32	124	56.2
8	200	18 11/16	475	21	533	11¾	298	15 9/16	395	¾	20	270	122.4
10	250	20⅛	511	24½	622	13¾	349	18	457	¾	20	384	174.1
12	300	26¼	667	29¾	756	16⅜	416	23¼	591	1	25	670	303.9

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

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