

For Commercial and Industrial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

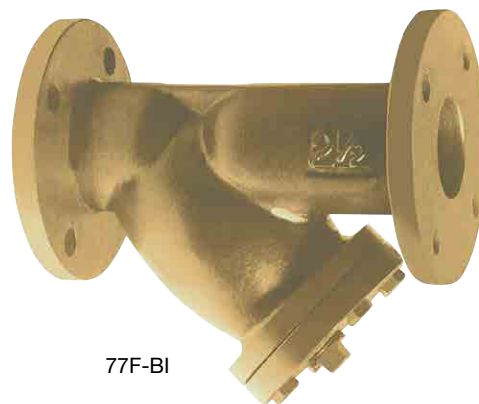
Representative _____

Series 77F-BI

Bronze, Flanged, Wye-Pattern Strainers

Sizes: 2" – 8"

Series 77F-BI Bronze, Flanged, Wye-Pattern Strainers are used in liquid and steam applications. Series 77F-BI are furnished with blowdown connections and machined seat that allows the screen to be self-aligning and assures a perfect fit. All sizes come with a bolted screen retainer cover and PTFE gasket. The screen retainer cover is NPT tapped for a blowdown plug that is provided. The strainer is easily cleaned by removing the blowdown plug or opening a blowdown valve piped to the blowdown outlet. Series 77F-BI can be installed in horizontal or vertical pipe with the blowdown connection at the lower end of the screen retainer cover.



77F-BI

Features

- Class 150 bronze body
- Flanged wye-pattern
- Self-aligning stainless steel screen
- Screen retainer cover tapped and plugged

Pressure (Non-Shock)-Temperature

Maximum Working Pressure:

150psi (10.3 bar) at 406°F (208°C) WSP

225psi (15.5 bar) at 150°F (66°C) WOG

Materials

Body: ASTM B-62 cast bronze

Plug: ASTM B-62 cast bronze

Screen: 304 stainless steel

Screen Cover: ASTM B-62 cast bronze

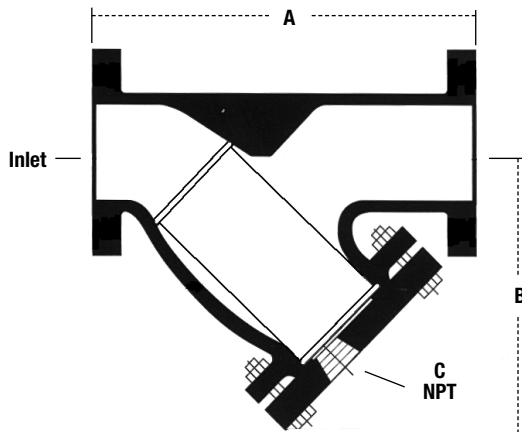
Gasket: PTFE

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.

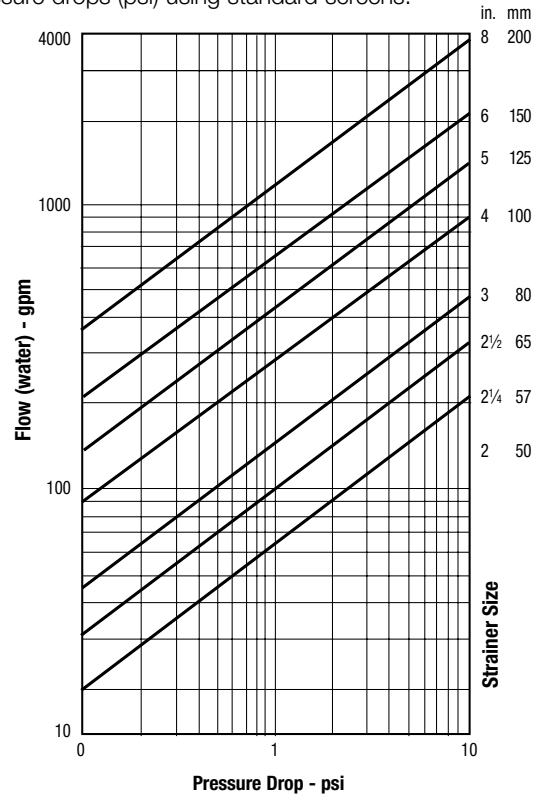
Standard Screens

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



Performance Data

Table shows flow rates (gpm-water) through 77F-BI 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				C (NPT)		WEIGHT	
	A		B		<i>in.</i>	<i>mm</i>	<i>lbs.</i>	<i>kgs</i>
2	8 5/8	219	5 1/4	133	1/2	15	20	9.0
2 1/2	10 1/4	260	7	178	3/4	20	32	14.5
3	11 1/8	295	7 11/16	195	1	25	36	16.3
4	14 3/8	365	9 1/8	232	1 1/2	40	61	27.6
6	18 5/8	473	13	330	2	50	160	72.5
8	24 3/8	619	15 5/16	389	2	50	210	95.2

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



USA: T: (978) 689-6066 • F: (978) 975-8350 • Watts.com
Canada: T: (905) 332-4090 • F: (905) 332-7068 • Watts.ca
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