

For Commercial and Industrial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

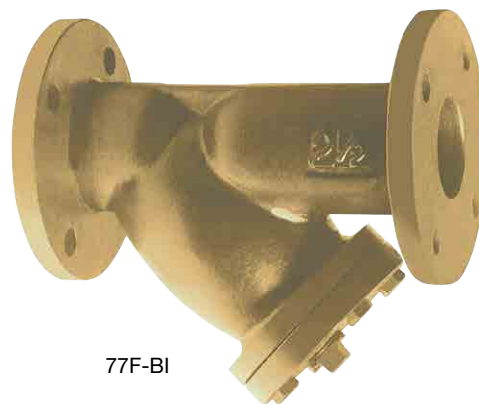
Representative _____

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

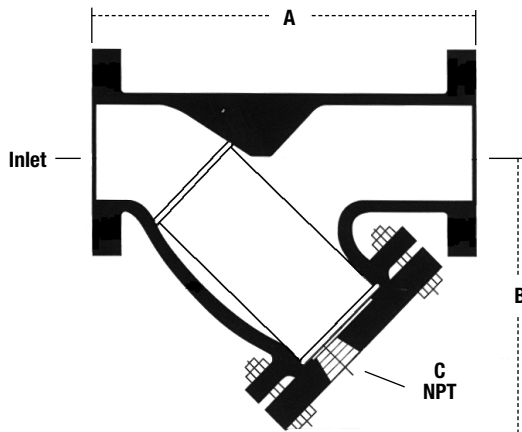
The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation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

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.



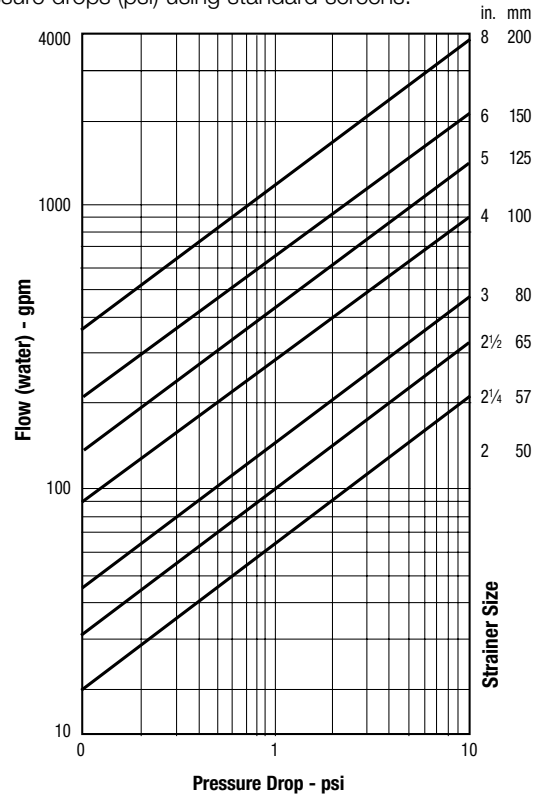
Standard Screens

SIZE		OPENINGS		STANDARD SCREENS
<i>in.</i>	<i>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.

