

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

Series 77F-CSI

Cast Steel, Flanged, Wye-Pattern Strainers

Sizes: 1/2" – 6"

Series 77F-CSI Steel, Flanged, Wye-Pattern Strainers are used in liquid and steam applications. Series 77F-CSI 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 complete bolted screen retainer cover and PTFE gasket. Screen retainer cover is tapped for strainer clean out by removing the blowdown plug or opening a blowdown valve piped to the blowdown outlet. The strainer may be installed in horizontal or vertical pipe with the blowdown connection at the lower end of the screen retainer cover.

Features

- Grade WCB steel body
- Wye-pattern
- Self-aligning stainless steel screen
- Screen retainer cover tapped and plugged
- Flanged connections

Pressure (Non-Shock)-Temperature

Maximum Working Pressure:

150psi (10.3 bar) at 400°F (204°C) WSP

285psi (19.6 bar) at 100°F (38°C) WOG

Materials

Body:	ASTM A-216 Grade WCB cast steel
Plug:	ASTM A-105
Screen:	304 stainless steel
Screen Retainer Cover:	ASTM A-216
Gasket:	PTFE



77F-CSI

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.

NOTICE

Inquire with governing authorities for local installation requirements

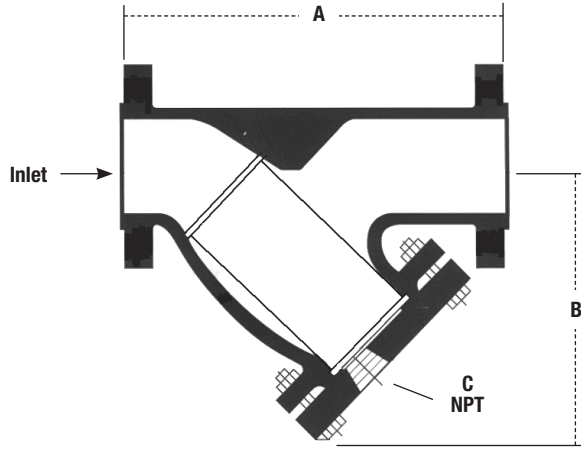
*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.



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.

Standard Screens

SIZE	OPENINGS		STANDARD SCREENS
	in	mm	
1/2 - 1 1/2	0.032	0.813	1/32 304SS perf.
2 - 3	0.045	1.143	3/64 304SS perf.
4 - 12	0.125	0.317	1/8 304SS perf.



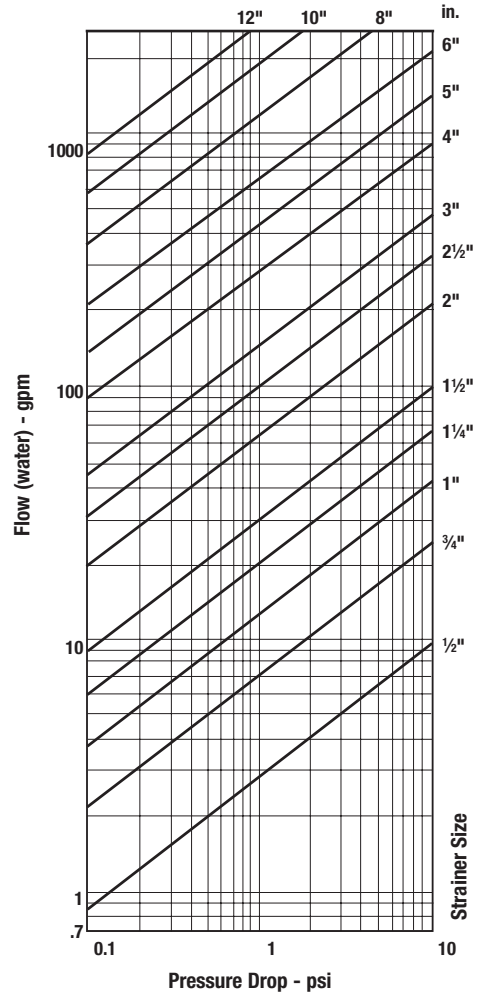
Dimensions – Weights

SIZE	DIMENSIONS						WEIGHTS	
	A		B		C (NPT)		lbs.	kgs
in.	in.	mm	in.	mm	in.	mm		
1/2	6	152	3 7/8	98	1/4	8	6	2.4
3/4	7	178	4 1/4	108	3/8	10	7	2.9
1	7 1/2	191	4 3/4	121	1/2	15	9	4.0
1 1/2	9	229	5 5/8	143	1/2	15	12	5.4
2	8 5/8	219	5 1/4	133	1/2	15	20	9.0
2 1/2	10 1/4	260	7 1/2	191	3/4	20	32	14.5
3	11 5/8	295	7	178	1	25	36	16.3
4	14 3/8	365	9 5/8	232	1 1/2	40	61	27.6
5	17 5/8	448	11	279	2	50	110	49.8
6	18 5/8	473	13	330	2	50	160	72.5
8	24 3/8	619	15 1/4	389	2	50	210	95
10	26	660	19 1/8	489	2	50	440	200
12	30 3/8	772	22	559	2	50	585	265

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

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

