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.

77F-CSI

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

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

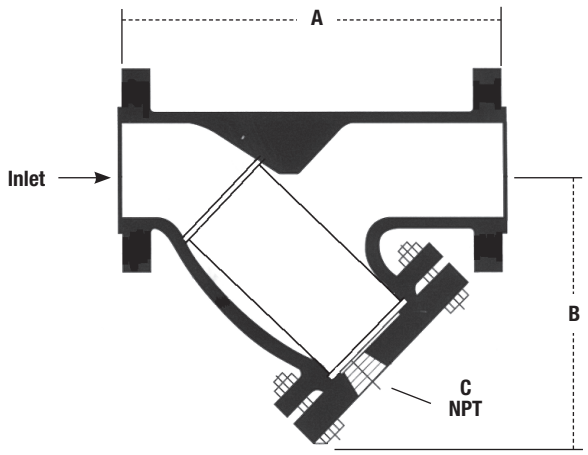
Inquire with governing authorities for local installation requirements

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

WATTS®

Standard Screens

SIZE	OPENINGS		STANDARD SCREENS
in	*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

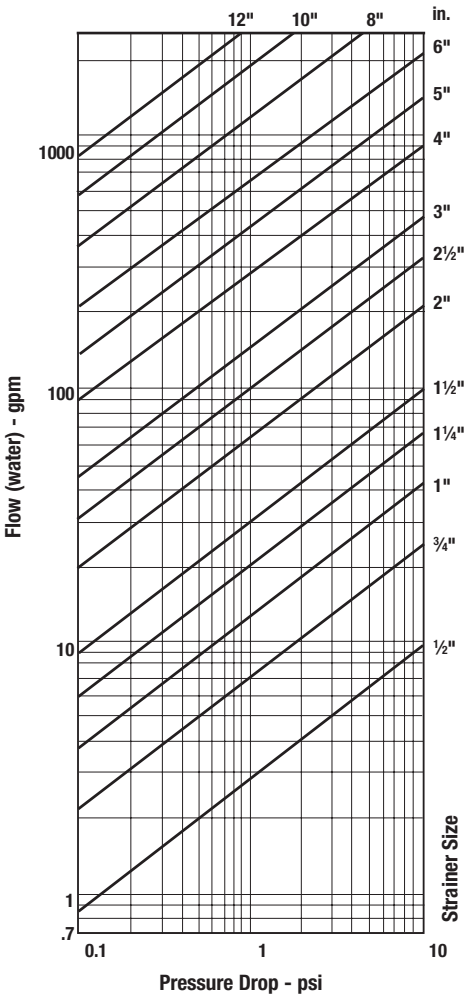
SIZE	DIMENSIONS						WEIGHTS	
	A		B		C (NPT)			
in.	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*lbs.*	*kgs*
½	6	152	3⅜	98	¼	8	6	2.4
¾	7	178	4¼	108	⅜	10	7	2.9
1	7½	191	4¾	121	½	15	9	4.0
1½	9	229	5⅝	143	½	15	12	5.4
2	8⅝	219	5¼	133	½	15	20	9.0
2½	10¼	260	7½	191	¾	20	32	14.5
3	11⅝	295	7	178	1	25	36	16.3
4	14⅜	365	9⅛	232	1½	40	61	27.6
5	17⅝	448	11	279	2	50	110	49.8
6	18⅝	473	13	330	2	50	160	72.5
8	24⅜	619	15¼	389	2	50	210	95
10	26	660	19⅛	489	2	50	440	200
12	30⅜	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

USA: T: (978) 689-6066 • F: (978) 975-8350 • Watts.com
Canada: T: (905) 332-4090 • F: (905) 332-7068 • Watts.ca
Latin America: T: (52) 55-4122-0138 • Watts.com