

Engineering Specification

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

Series 87SI Stainless Steel Wye-Pattern Strainers, Threaded and Socket Weld Connections

Sizes: 1/2" – 3"

Series 87SI Stainless Steel Wye-Pattern Strainers with Threaded (Model 87SI-T) or Socket Weld (Model 87SI-SW) connections are used in steam or liquid applications. These strainers are made overseas. Series 87SI has a machined seat that allows the screen to be self-aligning to assure a perfect fit. All sizes come with blow-off connection and an easily removable stainless steel screen. Blow-off plug is furnished.

Features

- Cast 316 stainless steel body
- Wye-pattern
- Threaded connections (Model 87SI-T)
- Socket weld connections (Model 87SI-SW)
- Self-aligning stainless steel screen
- Stainless steel retainer cap is tapped and plugged
- PTFE gasket

Models

87SI-T Threaded connections
87SI-SW Socket weld connections

Pressure (Non-Shock)-Temperature

Maximum Working Pressure:
 300psi (20.7 bar) at 400°F (204°C) WSP
 720psi (49.6 bar) at 100°F (38°C) WOG

Materials

Body: ASTM A-351 Grade CF8M
 316 stainless steel
 Retainer Cap: ASTM A-351 Grade CF8M
 316 stainless steel
 Screen: 304 stainless steel
 Cap Gasket: PTFE



87SI

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.

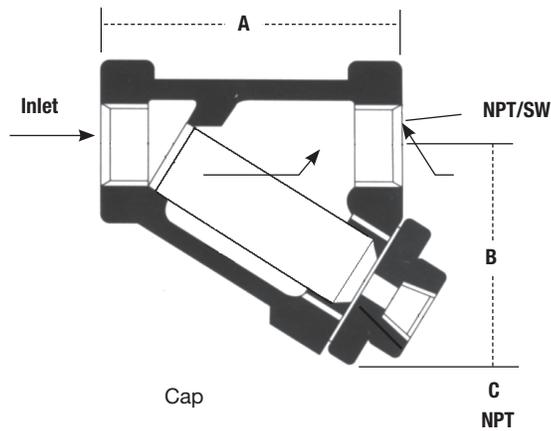
NOTICE

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.

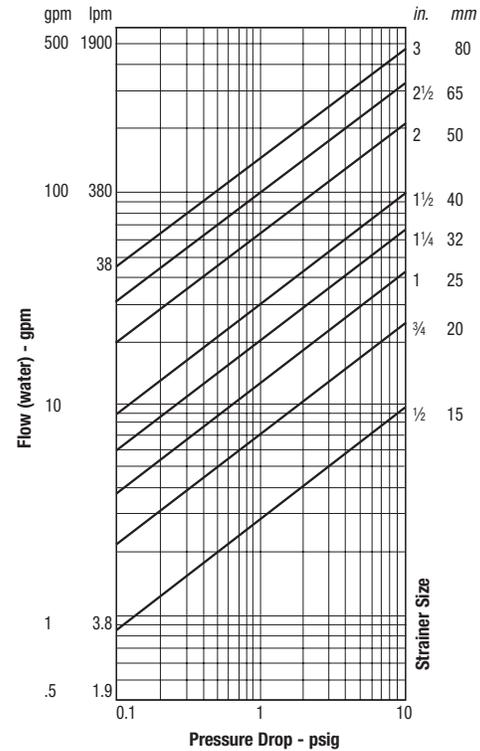
Standard Screens

SIZE		OPENINGS		STANDARD SCREENS
<i>in.</i>	<i>in.</i>	<i>mm</i>		
1/2 - 2	0.032	0.813		1/32" 304SS perf.
2 1/2 - 3	0.045	1.143		3/64" 304SS perf.



Performance Data

Table shows flow rates (gpm-water) at various pressure drops (psi) for 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 bars, multiply by .069

Dimensions – Weights

SIZE		DIMENSIONS				WEIGHT		
<i>in.</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>lbs.</i>	<i>kgs</i>
1/2	2 5/16	59	1 1/16	40	3/8	10	0.5	.2
3/4	3 1/8	79	2 1/8	54	3/8	10	0.8	.3
1	3 3/16	84	2 5/8	67	1/2	15	1.5	.6
1 1/4	4 1/8	105	3	76	1/2	15	2.0	.9
1 1/2	4 11/16	119	3 3/16	81	1/2	15	2.8	1.2
2	5 1/16	138	3 13/16	97	1/2	15	4.3	2.9
2 1/2	7 1/8	200	5 5/16	135	1 1/4	32	13.0	5.8
3	8 3/8	225	5 15/16	151	1 1/4	32	18.0	8.1

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



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) 81-1001-8600 • Watts.com