

For Commercial and Industrial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

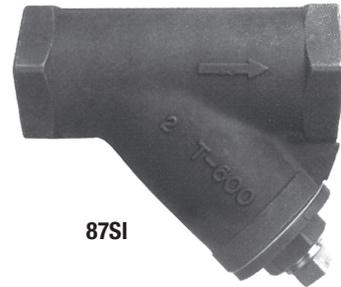
Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

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



87SI

Sizes: 1/2" – 3" (15 - 80mm)

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

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (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.

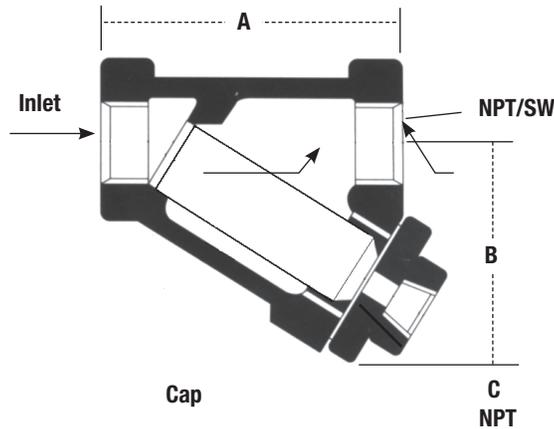
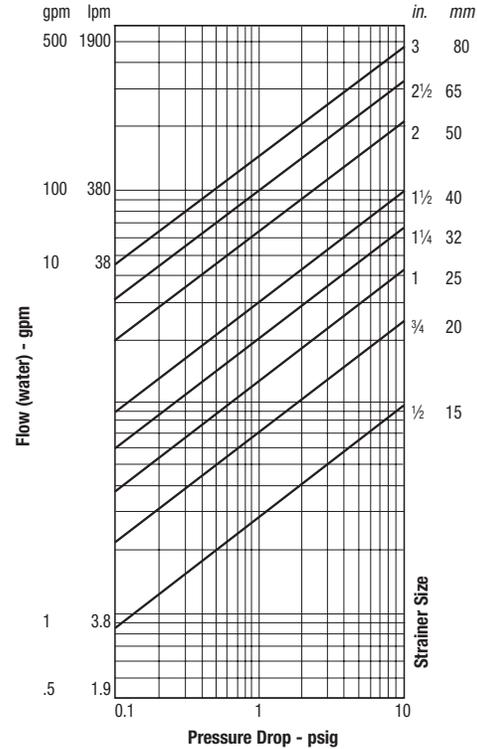


Standard Screens

SIZE		OPENINGS		STANDARD SCREENS
in.	mm	in.	mm	
1/2 - 2	15-50	0.032	0.813	1/32" 304SS perf.
2 1/2 - 3	65-80	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				WEIGHTS			
in.	mm	A		B		C (NPT)		lbs.	kgs.
		in.	mm	in.	mm	in.	mm		
1/2	15	2 5/16	59	1 9/16	40	3/8	10	0.5	.2
3/4	20	3 1/8	79	2 1/8	54	3/8	10	0.8	.3
1	25	3 5/16	84	2 5/8	67	1/2	15	1.5	.6
1 1/4	32	4 1/8	105	3	76	1/2	15	2.0	.9
1 1/2	40	4 11/16	119	3 3/16	81	1/2	15	2.8	1.2
2	50	5 7/16	138	3 13/16	97	1/2	15	4.3	2.9
2 1/2	65	7 7/8	200	5 5/16	135	1 1/4	32	13.0	5.8
3	80	8 7/8	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.



A Watts Water Technologies Company



ISO 9001-2000
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