

For Commercial and Institutional Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

Series 77F-DI-250 Flanged, Wye Pattern, Ductile Iron Strainers

Sizes: 2" – 12"

Series 77F-DI-250 Flanged, Wye Pattern, Ductile Iron Strainers feature a one-piece cast body, bolted cover flange with flat gasket seal, 304 stainless steel perforated screens and a drain/blow-off connection plug.

Features

- Flanges conform to American Cast Iron Flange Standard, Class 250 (ANSI B16.1)
- Body meets ASME standards
- One-piece lead free* cast body
- Equipped with bolted cover flange that utilizes a flat gasket seal
- Upper and lower machined seats
- 304 Stainless steel perforated screens
- Drain/Blow-off connection furnished with plug
- Generous screen area and properly proportioned straining chamber to minimize initial pressure drop while maximizing time between cleanings

Specifications

A flanged, wye pattern, ductile iron strainer to be installed as indicated on the plans. The strainer must have a one-piece cast body, bolted cover flange, machined seats, 304 stainless steel perforated screens and a drain/blow-off plug. Pressure rating no less than 500psi (34.47 bars) WOG non-shock and 250psi (17.2 bars) WSP. Strainer body and flanges shall conform to American Cast Iron Flange Standard, Class 250 (ANSI B16.1). Strainer shall be a Watts Series 77F-DI-250.



77F-DI-250

Pressure – Temperature

Temperature Range: -20°F (-28.9°C) - 406°F (208°C)

Maximum Operating Pressure:

500psi (34.47 bars) WOG, non-shock, @ 150°F (66°C)

250psi (17.2 bars) WSP @ 406°F (208°C)

Standard Screens

2" – 3": $\frac{3}{64}$ " perforation

4" – 12": $\frac{1}{8}$ " perforation

NOTICE

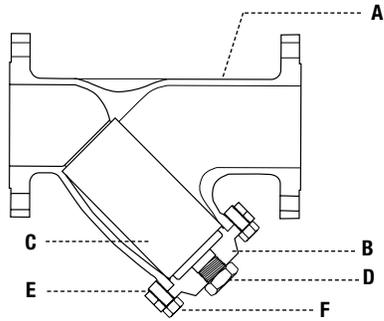
The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation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

NOTICE

Inquire with governing authorities for local installation requirements

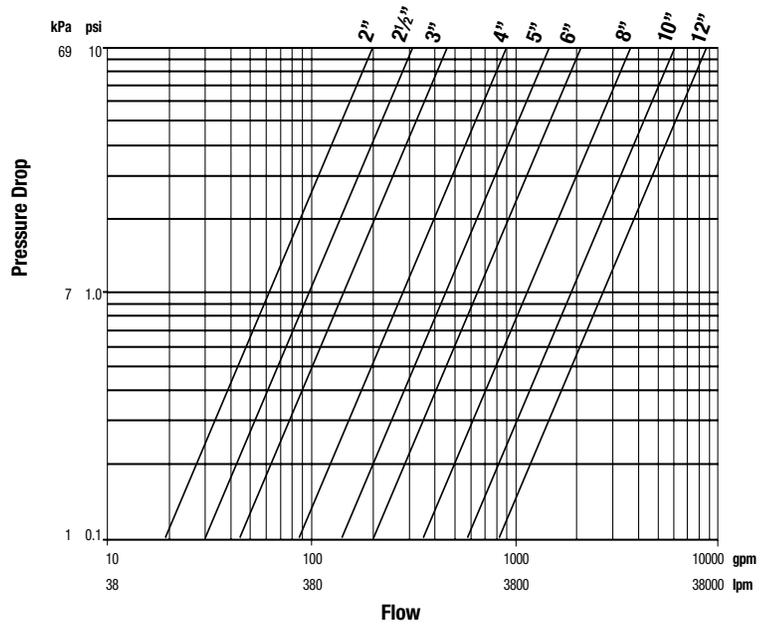
*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Materials

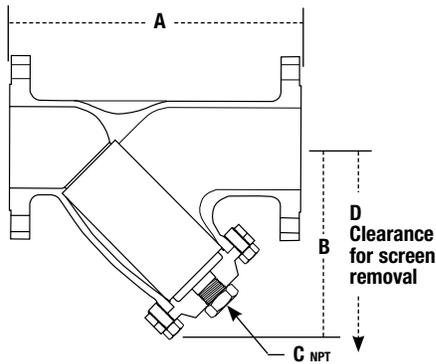


A Body	Ductile Iron A395
B Cover	Ductile Iron A395
C Screen	304 Stainless Steel
D Plug	Cast Iron, A126-B
E Bolt/Stud	A307-B
F Nut	A563

Pressure Drop vs. Flow



Dimensions – Weights



SIZE		DIMENSIONS						WEIGHT		
	A		B		C		D			
<i>in.</i>	<i>in.</i>	<i>mm</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>
2	8 ⁷ / ₈	226	6 ¹ / ₂	165	1/2	15	9 ¹ / ₈	232	28	13
2 ¹ / ₂	11 ¹ / ₄	289	7	178	1	25	9 ⁷ / ₈	251	38	17
3	11 ⁵ / ₈	295	8	203	1	25	11 ¹ / ₄	286	54	24
4	14 ¹ / ₂	368	10 ³ / ₄	273	1	25	15	381	110	50
5	17 ³ / ₈	441	13 ¹ / ₂	343	1 ¹ / ₄	32	19	483	160	73
6	18 ³ / ₄	476	16 ¹ / ₄	413	1 ¹ / ₂	40	22 ³ / ₄	578	224	102
8	21 ⁷ / ₈	556	19 ¹ / ₂	495	1 ¹ / ₂	40	27 ³ / ₄	692	468	212
10	27 ¹ / ₄	692	21 ¹ / ₄	540	2	50	29 ³ / ₄	756	590	268
12	31 ³ / ₈	797	25	635	2	50	35	889	890	404



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