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" (50 – 300mm)

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.

77F-DI-250

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.

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

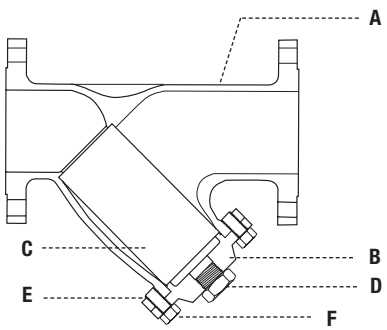
2" – 3" (50 – 75mm): $^{3}/_{64}$" perforation

4" – 12" (100 – 300mm): $^{1}/_{8}$" perforation

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

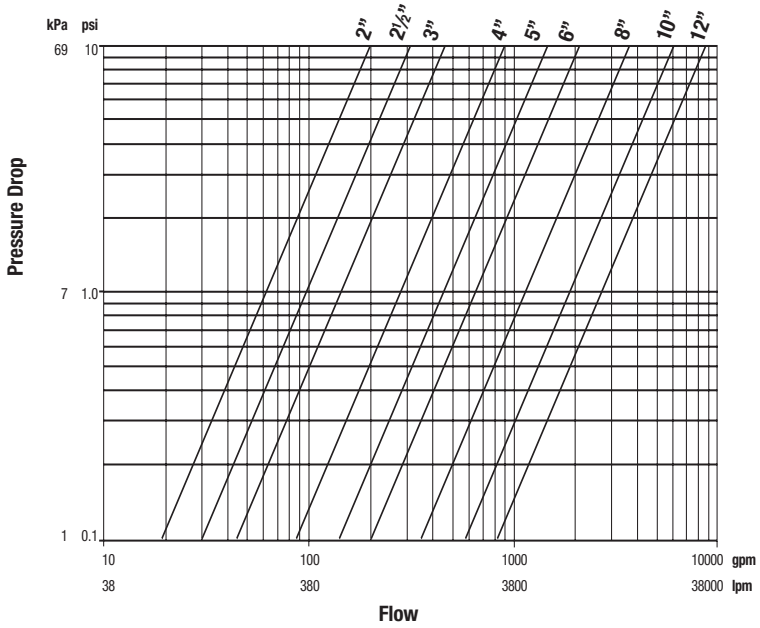
WATTS®

Materials

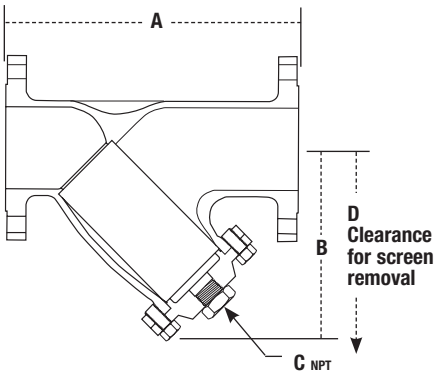


A	**Body**	Ductile Iron A395
B	**Cover**	Ductile Iron A395
C	**Screen**	304 Stainless Steel
D	**Plug**	Cast Iron, A126-B
E	**Bolt/Stud**	A307-B
F	**Nut**	A563

Pressure Drop vs. Flow



Dimensions — Weights



SIZE (DN)		DIMENSIONS								WEIGHT	
		A		B		C		D			
in.	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*lbs.*	*kgs*
2	50	8⅞	226	6½	165	½	15	9⅛	232	28	13
2½	65	11¼	289	7	178	1	25	9⅞	251	38	17
3	75	11⅝	295	8	203	1	25	11¼	286	54	24
4	100	14½	368	10¾	273	1	25	15	381	110	50
5	125	17⅜	441	13½	343	1¼	32	19	483	160	73
6	150	18¾	476	16¼	413	1½	40	22¾	578	224	102
8	200	21⅞	556	19½	495	1½	40	27¾	692	468	212
10	250	27¼	692	21¼	540	2	50	29¾	756	590	268
12	300	31⅜	797	25	635	2	50	35	889	890	404