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WYE STRAINER

YIFU (Ductile Iron - Red)

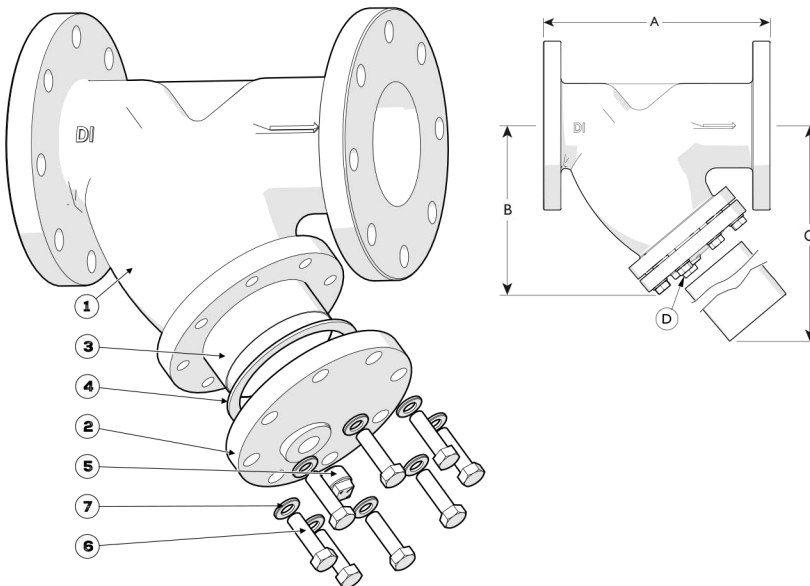
ASME CLASS
150

Flanged Ends • Flat Face • Ductile Iron

BILL OF MATERIALS ⁽¹⁾

No.	PART	YIFU
1	Body	Ductile Iron ASTM A536 65-45-12
2	Cover	Ductile Iron ASTM A536 65-45-12
3	Straining Element ⁽²⁾	Stainless Steel 304 SS
4	Gasket ⁽²⁾	EPDM
5	NPT Plug (Blow-off)	Malleable Galvanized Iron
6	Cap Screws	Carbon Steel Zinc Plated
7	Washers	Carbon Steel Zinc Plated

1. Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Denotes recommended spare parts.



DIMENSIONS AND PERFORMANCE DATA ⁽¹⁾

SIZE	in	2	2 1/2	3	4	5	6	8	10	12
	mm	50	65	80	100	125	150	200	250	300
A DIMENSION FACE TO FACE (FLAT FACE)	in	7.87	10.00	10.12	12.13	15.63	18.50	21.61	25.75	29.88
	mm	200	254	257	308	397	470	549	654	759
B DIMENSION CENTER LINE TO BOTTOM	in	6.10	6.50	7.09	9.02	11.22	12.24	15.51	19.17	21.65
	mm	155	165	180	229	285	311	394	487	550
C DIMENSION SCREEN REMOVAL	in	10.10	10.60	11.60	15.0	16.25	19.50	26.00	32.20	35.70
	mm	257	270	295	381	413	495	660	818	907
D NPT Plug BLOW-OFF	in	1/2	3/4	3/4	1	1 1/4	1 1/2	1 1/2	2	2
	mm	15	20	20	25	32	40	40	50	50
APPROXIMATE ASSEMBLED WEIGHT	lb	18.7	27.16	33.44	51.54	71.12	95.15	164.2	237.9	372.4
	kg	8.48	12.32	15.17	23.38	32.26	43.16	74.48	107.90	168.94
Flow Coefficient	C _v	61	110	180	310	450	640	1180	1960	3020

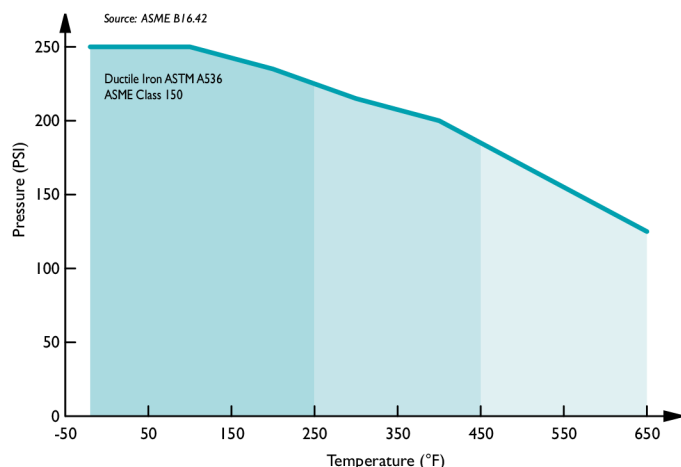
APPROX. LOSS OF HEAD AT 15 FT/ SEC. FLOW VELOCITY ⁽¹⁾

Size	Rate Pressure PSI (kPa)	dP PSI (kPa)
2"	300 (2068)	6.72 (46.3)
2-1/2"	300 (2068)	4.18 (28.8)
3"	300 (2068)	3.82 (26.3)
4"	300 (2068)	3.76 (25.9)
5"	300 (2068)	4.34 (29.9)
6"	300 (2068)	4.44 (30.61)
8"	300 (2068)	3.90 (26.8)
10"	300 (2068)	3.56 (24.5)
12"	300 (2068)	3.00 (20.6)

1. UL Test Data

1. Dimensions and weights are for reference only. When required, request certified drawings.
2. Face to face values have a tolerance of ± 0.06 in (± 2.0 mm) for sizes 10" and lower and a tolerance of ± 0.12 in (± 3.0 mm) for sizes 12" and larger.

PRESSURE - TEMPERATURE RATINGS ⁽¹⁾



1. This chart displays the pressure-temperature ratings for the YIFU Class 150 Flange
2. PN16 Flanges available. Contact factory for Info & Lead Time.
3. Grooved End See YIGU

As Stayflow product changes occur, there may be short-term differences between actual product specifications and the information contained within our literature. Stayflow reserves the right to make design and specification changes to improve our products without prior notification. When required, request certified drawings.

SCREEN AREAS

Size	Perf. Size	Free Flow area
2" ~ 2-1/2"	5/32"	48%
3" ~ 4"	13/64"	53%
5"	15/64"	58%
6" ~ 12"	1/4"	56%

PRESSURE - TEMPERATURE RATING ⁽¹⁾

A536	2" ~ 12"
WOG (Non-shock):	250 PSI @ 100° F

1. Pressure-temperature ratings per DI Class 150 Flange.

REFERENCED STANDARDS & CODES

STANDARD	DESCRIPTION
UL Subject 321	Pipeline Strainers
ULC / ORD-C 321	Pipeline Strainers (Canada)
ASME B16.1 / B16.42	Gray Iron Pipe Flanges and Flanged fittings / Ductile Iron Pipe Flanges and Flanged Fittings
NSF/ANSI 61 AND NSF/ANSI 372	Drinking water systems components - Health Effects / water systems components - lead content