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"Y" (WYE) STRAINER

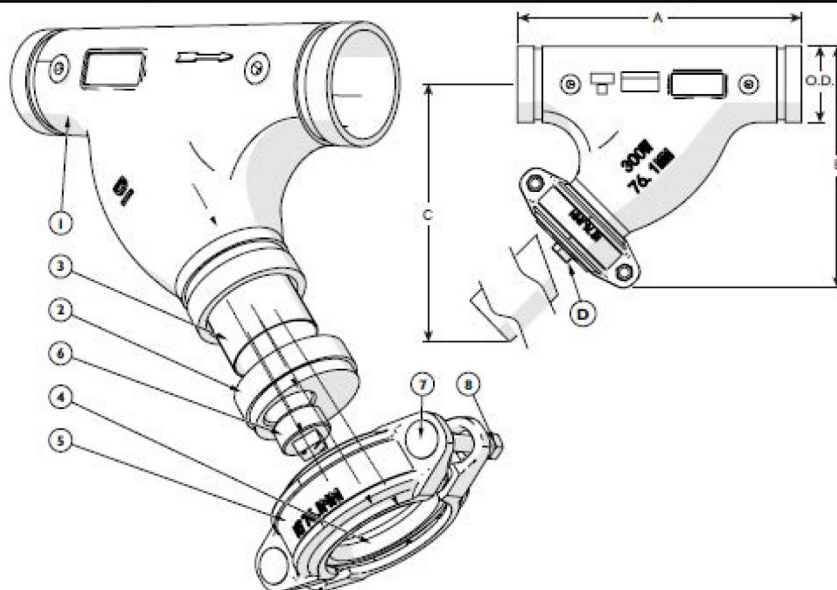
YIGU (Ductile Iron)

Grooved Ends • Ductile Iron

WOG
300

BILL OF MATERIALS ⁽¹⁾

No.	PART	YIGU
1	Body	Ductile Iron ASTM A536 65-45-12
2	Cover	Ductile Iron ASTM A536 65-45-12
3	Straining Element ⁽²⁾	Stainless Steel
4	Gasket ⁽²⁾	EPDM
5	Rigid Coupling ⁽²⁾	Ductile Iron ASTM A536 65-45-12
6	NPT Plug (Blow-off)	Malleable Galvanized Iron
7	Track Bolts	Carbon Steel A193-B7
8	Nuts	Carbon Steel A194-2H



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
O.D. DIMENSION	in	2.38	2.88	3.50	4.50	5.56	6.63	8.63	10.75	12.75
	mm	60.3	73.0	88.9	114.3	141.3	168.4	219.1	273.1	323.9
A DIMENSION FACE TO FACE (FLAT FACE)	in	9.75	10.75	11.75	14.25	16.50	18.5	24.00	27.00	30.00
	mm	248	273	298	362	419	470	610	686	762
B DIMENSION CENTER LINE TO BOTTOM	in	6.69	7.28	8.15	10.00	11.25	13.38	16.54	19.00	22.84
	mm	170	185	207	255	286	340	420	482	580
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	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
	mm	25	25	25	40	50	50	50	50	50
APPROXIMATE ASSEMBLED WEIGHT	lb	8.3	13.7	20.2	33.6	48.1	72.2	156.2	239.4	351.6
	kg	3.8	6.2	9.2	15.3	21.8	32.7	70.9	108.6	159.5
Flow Coefficient	C _v	70	75	165	340	500	700	1330	2000	2900

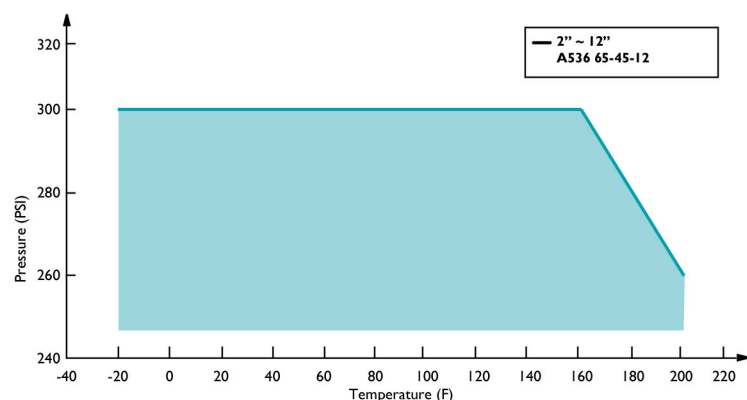
APPROX. LOSS OF HEAD AT 15 FT/ SEC. FLOW VELOCITY

Size	Rate Pressure PSI (kPa)	dP PSI (kPa)
2" 2-1/2	300 (2068)	5.4 (38)
2-1/2	300 (2068)	8.9 (62)
3"	300 (2068)	4.4 (31)
4"	300 (2068)	< 3 (21)
5"	300 (2068)	3.3 (23)
6"	300 (2068)	3.5 (25)
8"	300 (2068)	3.1 (22)
10"	300 (2068)	3.4 (24)
12"	300 (2068)	3.3 (23)

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 YIGU body.

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

A395 2" ~ 12"

WOG (Non-shock): 300 PSI @ 100 °F

REFERENCED STANDARDS & CODES

STANDARD	DESCRIPTION
UL Subject 321	Pipeline Strainers
ULC / ORD-C 321	Pipeline Strainers (Canada)
AWWA C606	Grooved and Shouldered Joints
NSF/ANSI 61 AND NSF/ANSI 372	

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.