

Cast Steel Y-Type Strainers for Pipelines

**ANSI/ASME · 1 to 12" · Class 150# to 600# · Flanged RF & Buttweld
Removable Screen for Cleaning & Maintenance**



Y-strainers are mechanical devices used to collect and retain debris flowing through oil, gas, water, steam pipelines (protecting equipment like valves, steam traps, regulating/control valves, pumps). Our Y-strainers prevent equipment damages, efficiency losses, and undue increases in production costs.



Cast Steel Y-Strainer



KEY FEATURES

Body & Bonnet

Cast Steel (carbon, stainless, alloy)
Integral casting housing with red oxide finish
Bolted cover with 1/2" & 3/4" drain plug
Removable screen with standardized Mesh-Size

Design

API 600, API 6D

Face to face Dimension

ASME/ANSI B16.10

Pressure & Temperature Ratings

ASME/ANSI B16.34
PED 2014/26/EU

Testing

API 598

PRODUCTION RANGE

Sizes

1 to 12 inches

ANSI Pressure Ratings

150#, 300#, 600#

End Connections

Flanged RF ASME/ANSI B16.5
Buttweld ASME/ANSI B16.25

Material Grades (Body/Bonnet)

High Temperature CS ASTM A216 WCB
Low Temperature CS ASTM A352 LCB
Stainless Steel ASTM A351 CF8 (SS304)
Stainless Steel ASTM A351 CF8M (SS316)

Screen

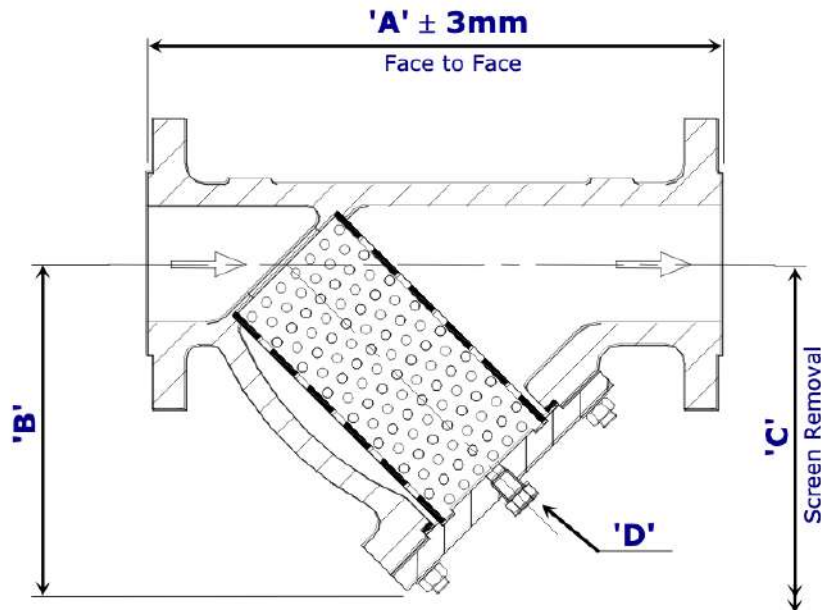
Mesh 40 (0.422 mm) in AISI 304/316



All technical data are subject to confirmation at the time of order. We reserve the right to amend technical specification at any time without prior notice

Special Materials (Alloys, Nickel, Non Ferrous available upon Request)

Cast Steel Y-Strainer Class 150



DIMENSIONS

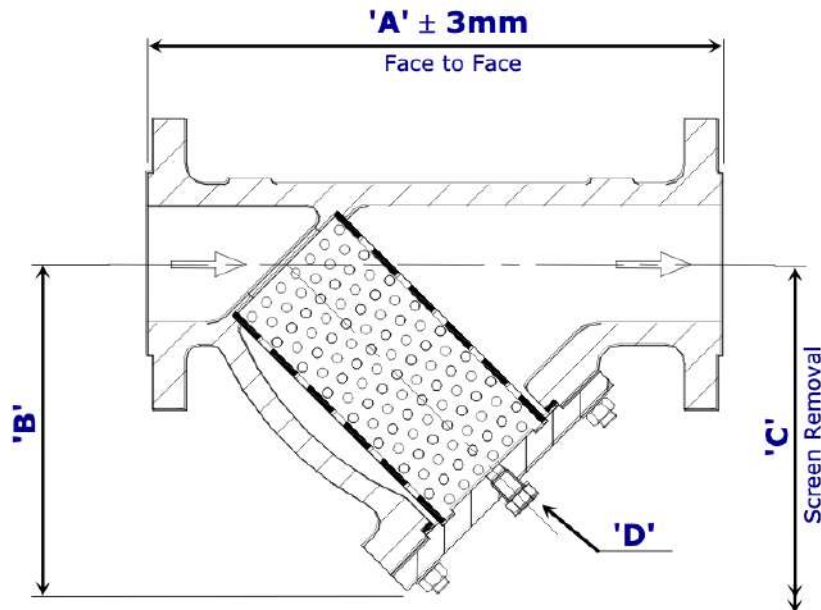
Size		'A' Face to Face	Dimensions		'D' Drain (NPT)	Screen Area (cm ²)	Weight (KG)
			'B' Base to Centre line	'C' Screen Removal			
Inch	mm						
½"	15	170	95	165	½"	80	3
¾"	20	170	95	165	½"	80	4
1"	25	185	110	185	½"	126.5	6
1½"	40	270	140	230	½"	199	10.5
2"	50	275	180	285	½"	333	17
3"	80	360	220	355	½"	574.5	29.5
4"	100	435	260	410	½"	923.4	49
6"	150	560	340	552	½"	1894	97
8"	200	655	440	705	¾"	2870	180
10"	250	880	600	1000	¾"	5000	340
12"	300	970	640	1040	¾"	6375	510

MATERIALS

Bill of Materials	High Temperature CS	Low Temperature CS	Stainless Steel 304	Stainless Steel 316
Body	ASTM A216 WCB	ASTM A352 LCB	ASTM A351 CF8	ASTM A351 CF8M
Cover	ASTM A516 Gr. 60/ASTM A216 WCB	ASTM A352 LCB	ASTM A351 CF8	ASTM A351 CF8M
Drain Plug	ASTM A105N	ASTM A105N	ASTM A105N	ASTM A105N
Stud Bolts	ASTM A193 B7	ASTM A193 L7	ASTM A182 F316	ASTM A182 F316
Steel Nuts	ASTM A194 2H	ASTM A194 2H	ASTM A182 F316	ASTM A182 F316
Gasket	Graphite	Graphite	Graphite	Graphite
Perforated Screen	AISI 304	AISI 304	AISI 316	AISI 316

Mill Test Certificate EN 10204 3.1

Cast Steel Y-Strainer Class 300



DIMENSIONS

Size			Dimensions		'D'	Screen Area (cm ²)	Weight (kg)
			'B' Base to Centre line	'C' Screen Removal			
Inch	mm				(NPT)		
½"	15	175	95	165	½"	80	3
¾"	20	175	95	165	½"	80	4
1"	25	195	110	185	½"	126.5	7
1½"	40	275	140	230	½"	199	12
2"	50	315	180	285	½"	333	18.5
3"	80	405	220	355	½"	574.5	37.5
4"	100	490	260	410	½"	923.4	70
6"	150	582	340	552	¾"	1894	130
8"	200	730	440	705	¾"	2870	240
10"	250	910	600	1000	¾"	5000	430
12"	300	1070	640	1040	¾"	6375	720

MATERIALS

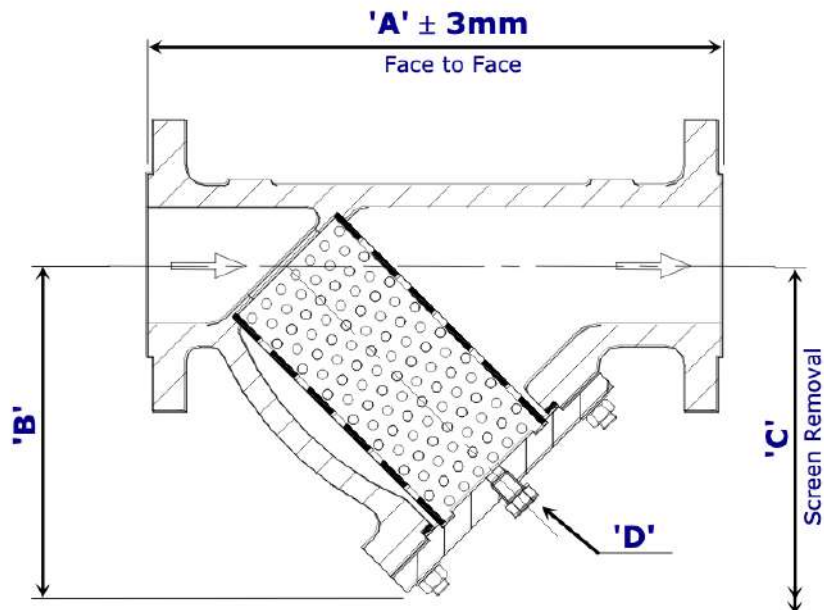
Bill of Materials	High Temperature CS	Low Temperature CS	Stainless Steel 304	Stainless Steel 316
Body	ASTM A216 WCB	ASTM A352 LCB	ASTM A351 CF8	ASTM A351 CF8M
Cover	ASTM A516 Gr. 60/ASTM A216 WCB	ASTM A352 LCB	ASTM A351 CF8	ASTM A351 CF8M
Drain Plug	ASTM A105N	ASTM A105N	ASTM A105N	ASTM A105N
Stud Bolts	ASTM A193 B7	ASTM A193 L7	ASTM A182 F316	ASTM A182 F316
Steel Nuts	ASTM A194 2H	ASTM A194 2H	ASTM A182 F316	ASTM A182 F316
Gasket	Graphite	Graphite	Graphite	Graphite
Perforated Screen	AISI 304	AISI 304	AISI 316	AISI 316

Mill Test Certificate EN 10204 3.1

 Tecnos SA Lugano, Switzerland
<https://projectmaterials.com>

 Rev 2.3 dtd 11.2020
 English datasheet Y-Strainers

Cast Steel Y-Strainer Class 600



DIMENSIONS

Size		Dimensions (mm)			Screen Area (cm ²)	Weight (KG)	
		'B' Base to Centre line	'C' Min. Screen Removal	'D' Drain (NPT)			
Inch	mm						
½"	15	215	110	170	½"	80	3
¾"	20	215	110	170	½"	80	4.5
1"	25	225	125	185	½"	126.5	9
1½"	40	295	155	230	½"	199	16
2"	50	340	190	295	½"	333	23
3"	80	430	235	370	½"	574.5	45
4"	100	520	285	425	½"	923.5	88
6"	150	650	380	575	¾"	1894	178
8"	200	790	470	725	¾"	2870	330
10"	250	990	640	1040	¾"	5000	590
12"	300	1100	705	1090	¾"	6375	910

MATERIALS

Bill of Materials	High Temperature CS	Low Temperature CS	Stainless Steel 304	Stainless Steel 316
Body	ASTM A216 WCB	ASTM A352 LCB	ASTM A351 CF8	ASTM A351 CF8M
Cover	ASTM A516 Gr. 60/ASTM A216 WCB	ASTM A352 LCB	ASTM A351 CF8	ASTM A351 CF8M
Drain Plug	ASTM A105N	ASTM A105N	ASTM A105N	ASTM A105N
Stud Bolts	ASTM A193 B7	ASTM A193 L7	ASTM A182 F316	ASTM A182 F316
Steel Nuts	ASTM A194 2H	ASTM A194 2H	ASTM A182 F316	ASTM A182 F316
Gasket	Graphite	Graphite	Graphite	Graphite
Perforated Screen	AISI 304	AISI 304	AISI 316	AISI 316

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