

Tight seating

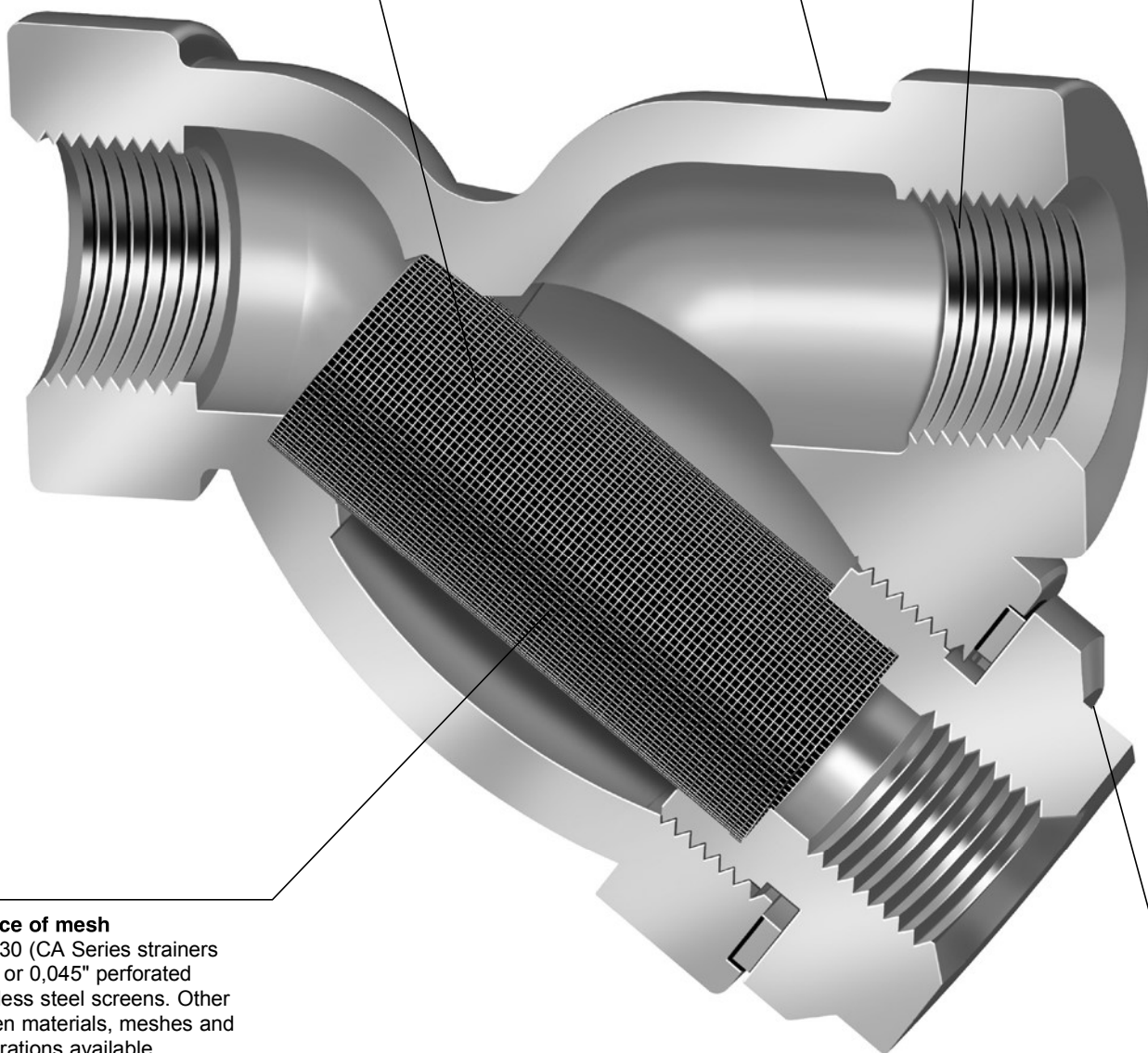
Both ends of the chamber are precisely machined to provide perfectly round and smooth seating surfaces as well as fixed chamber length. The screen seats snugly on the machined surface so no particle larger than the screen opening can escape around the end of the screen.

Choice of body materials

Cast iron, carbon steel, chrome moly, forged steel, stainless steel, bronze.

Connection configurations available

Select screwed, socketweld or flanged.



Choice of mesh

30 x 30 (CA Series strainers only) or 0,045" perforated stainless steel screens. Other screen materials, meshes and perforations available.

Easy-in, easy-out screwed screen retainers

Straight threads mean less torque is required to obtain a tight seal with proper gasket compression, and less torque is required to remove the retainer. The danger of "freezing in" is considerably less than with hard-to-break tapered pipe threads.

Armstrong Y-Type Strainers

Design Advantages

No-Leak, No-Crush Screen Chambers are assured by precise machining of both ends of the chamber to provide perfectly round and smooth seating surfaces as well as fixed chamber length. The screen seats snugly on the machined surface so no particle larger than the screen opening can escape around the end of the screen.

Easy-In, Easy-Out Screwed Screen Retainers have straight threads. Less torque is required to obtain a tight seal with proper gasket compression. Less torque is required to remove the retainer. The danger of "freezing in" is considerably less than with hard-to-break tapered pipe threads.

Off-Center Blowdown Connections for 2 1/2" and 3" size strainers. The off-center drain permits nearly complete removal of liquid and dirt when blowing down the strainer. And less liquid spills when removing the screen retainer.

How To Order

Model Number	
CONNECTION SIZE (inches)	ANSI FLANGE CLASS
BODY MATERIAL	CONNECTION CONFIGURATION
SCREEN MATERIAL	

CONNECTION SIZE (inches)

BODY MATERIAL

CA = Cast Iron ASTM A48 Cl. 30
(Screwed 1/2", 3/4", 1", 1 1/4", 1 1/2", 2")

A = Cast Iron ASTM A48 Cl. 30
(Screwed 2 1/2", 3")

B = Cast Carbon Steel ASTM A216 Gr. WCB

C = Cast Chrome Moly Steel ASTM A217 Gr. WC6

D = Forged Steel ASTM A182 Gr. F22

E = Cast 316 Stainless Steel ASTM A351 Gr. CF8M

F = Cast Bronze ASTM B62

SCREEN MATERIAL

Please refer to table at top of page S-321 for applicable screen code.

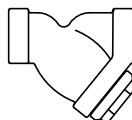
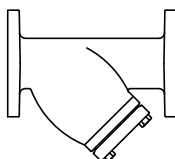
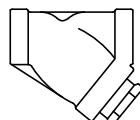
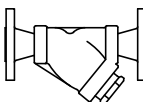
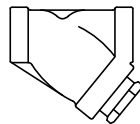
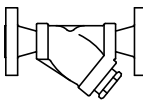
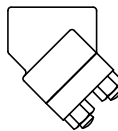
ANSI FLANGE CLASS

125
250
150
300
600
1500

CONNECTION CONFIGURATION

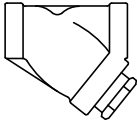
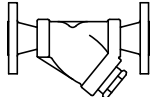
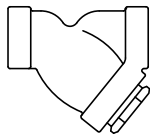
SC = Screwed
FL = Flanged
SW = Socketweld

Table S-318-1. Armstrong Strainers

Illustration	Model	Connection Size	Connection Type	Body Material	Pressure Temperature Ratings		Located on Page
					Steam Non-shock	Cold Non-shock	
	CA	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	Screwed	Cast Iron ASTM-A48 Class 30	17 bar @ 208°C	28 bar @ 66°C	S-322
	A	2 1/2", 3"					S-322
	A	2"	Class 125 Flanged	Cast Iron ASTM-A48 Class 30	8,6 bar @ 178°C	12 bar @ 66°C	S-323
	A	2 1/2" - 10"					
	A	2"	Class 250 Flanged		17 bar @ 208°C	28 bar @ 66°C	
	A	2 1/2" - 8"					
	B	1/2", 3/4", 1"	Screwed & Socketweld 900 lb		113 bar @ 321°C	153 bar @ 38°C	S-324
	B	1 1/4", 1 1/2", 2", 3"	Screwed & Socketweld 600 lb		78 bar @ 294°C	102 bar @ 38°C	
	B	1/2", 3/4", 1"	Class 150 Flanged	Cast Carbon Steel ASTM-A216 Gr. WCB	14 bar @ 199°C	20 bar @ 38°C	S-325
	B	1 1/4", 1 1/2", 2", 3"					
	B	4", 6"					
	B	1/2", 3/4", 1"	Class 300 Flanged		42 bar @ 254°C	51 bar @ 38°C	
	B	1 1/4", 1 1/2", 2", 3"					
	B	4", 6"					
	B	1/2", 3/4", 1"	Class 600 Flanged		78 bar @ 294°C	102 bar @ 38°C	
	B	1 1/4", 1 1/2", 2", 3"					
B	4"						
	C	1/2", 3/4", 1"	Screwed & Socketweld 1 500 lb	Cast Chrome Moly Steel ASTM-A217 Gr. WC6	144 bar @ 339°C	207 bar @ 38°C	S-326
	C	1 1/4", 1 1/2", 2"			173 bar @ 354°C	248 bar @ 38°C	
	C	1/2", 3/4", 1"	Class 1 500 Flanged		144 bar @ 339°C	207 bar @ 38°C	S-326
	C	1 1/4", 1 1/2", 2"			173 bar @ 354°C	248 bar @ 38°C	
	D	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	Socketweld 2 500 lb	Forged Steel ASTM-A182 Gr. F22	172 bar @ 552°C	414 bar @ 38°C	S-327

Strainers ID Charts



Table S-319-1. Armstrong Strainers							
Illustration	Model	Connection Size	Connection Type	Body Material	Pressure Temperature Ratings		Located on Page
					Steam Non-shock	Cold Non-shock	
	E	1/2", 3/4", 1"	Screwed & Socketweld 1 500 lb		144 bar @ 339°C	207 bar @ 38°C	S-328
	E	1 1/4", 1 1/2", 2", 3"	Screwed & Socketweld 600 lb		64 bar @ 281°C	99 bar @ 38°C	
	E	1/2", 3/4", 1"	Class 150 Flanged	Cast Stainless Steel ASTM-A351 Gr. CF8M	14 bar @ 197°C	19 bar @ 38°C	S-329
	E	1 1/2", 2", 3"					
	E	4", 6"					
	E	1/2", 3/4", 1"	Class 300 Flanged		34 bar @ 242°C	50 bar @ 38°C	
	E	1 1/2", 2", 3"					
	E	4", 6"					
	E	1/2", 3/4", 1"	Class 600 Flanged		64 bar @ 282°C	99 bar @ 38°C	
	E	1 1/2", 2", 3"					
E	4"						
	F	1/2", 3/4", 1", 1 1/4"	Screwed 300 lb	Cast Bronze ASTM-B62	21 bar @ 217°C	34 bar @ 66°C	S-330
	F	1 1/2", 2"					

All models comply with the Pressure Equipment Directive PED 97/23/EC. For details, see specific product page or Armstrong PED Certificate.