

Y-Strainers

Y Strainers are designed for steam, oil or water lines. Strainers should be installed ahead of temperature regulating and/or pressure reducing valves and

steam traps to protect their moving parts from dirt, this is particularly important for new installations.

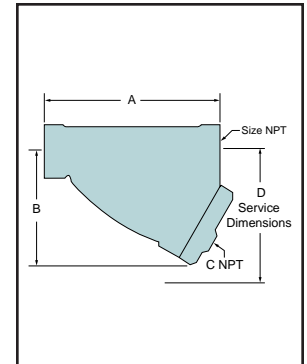
Screwed NPT End

Model 415C

- Cast iron body
- Maximum pressure:
 - 250 psig (17.3 bar) for steam service
 - 400 psig (27.6 bar) for water service
- Available in sizes ½" - 3" (15-80mm) NPT

Model 420C

- Cast brass body
- Maximum pressure:
 - 300 psig (20.6 bar) for steam service
 - 400 psig (27.6 bar) for water service
- Available in sizes ½" - 3" (15-80mm) NPT



Ordering Information

Model Number	Part Number	NPT Size in. (mm)	Weight Approx. lbs. (kg)
415C	405000	½ (15)	2 (0.9)
415C	405003	¾ (20)	2½ (1.1)
415C	405006	1 (25)	4 (1.8)
415C	405009	1¼ (32)	6 (2.7)
415C	405012	1½ (40)	7 (3.2)
415C	405015	2 (50)	12 (5.4)
415C	405018	2½ (65)	19 (8.6)
415C	405022	3 (80)	32 (14.5)
420C	405024	½ (15)	1 (0.5)
420C	405027	¾ (20)	2 (0.9)
420C	405030	1 (25)	4 (1.8)
420C	405033	1¼ (32)	5 (2.3)
420C	405036	1½ (40)	7 (3.2)
420C	405039	2 (50)	12 (5.4)
420C	405042	2½ (65)	22 (10)
420C	405045	3 (80)	35 (16)

Dimensions in. (mm)

Model 415C

Part Number	A	B	C	D
405000	4 ¹ / ₈ (105)	2 ¹ / ₂ (64)	1 ¹ / ₂ (15)	3 ¹ / ₄ (83)
405003	3 ³ / ₄ (95)	2 ⁷ / ₁₆ (62)	3 ³ / ₈ (9.5)	3 (76)
405006	4 (102)	2 ⁵ / ₈ (67)	3 ³ / ₈ (9.5)	3 ¹ / ₄ (83)
405009	4 ⁷ / ₈ (124)	3 ³ / ₄ (95)	3 ³ / ₄ (20)	6 (152)
405012	6 (152)	4 (102)	3 ³ / ₄ (20)	6 (152)
405015	7 ³ / ₈ (187)	4 ¹ / ₄ (108)	3 ³ / ₄ (20)	6 ³ / ₄ (171)
405018	9 ¹ / ₄ (235)	5 ⁷ / ₈ (149)	1 ¹ / ₂ (40)	7 ⁷ / ₈ (200)
405022	10 (254)	6 (152)	1 ¹ / ₂ (40)	8 (203)

Model 420C

Part Number	A	B	C	D
405024	2 ¹⁵ / ₁₆ (75)	2 (51)	1 ¹ / ₄ (8)	3 (76)
405027	3 ⁵ / ₈ (92)	2 ³ / ₈ (60)	1 ¹ / ₄ (8)	4 (102)
405030	4 ¹ / ₂ (114)	2 ³ / ₄ (70)	3 ³ / ₈ (12)	4 ¹ / ₂ (114)
405033	5 ¹ / ₈ (130)	3 ¹ / ₂ (89)	3 ³ / ₈ (12)	5 (127)
405036	5 ¹³ / ₁₆ (148)	4 ³ / ₄ (95)	1 ¹ / ₂ (15)	5 ³ / ₄ (146)
405039	7 ¹⁵ / ₁₆ (202)	4 ¹ / ₂ (114)	1 ¹ / ₂ (15)	6 ¹ / ₂ (165)
405042	8 ¹ / ₄ (210)	6 ³ / ₄ (171)	1 ¹ / ₄ (32)	—
405045	9 ⁵ / ₈ (244)	6 ¹ / ₄ (159)	1 ¹ / ₄ (32)	—

Specifications

Model	Body Material	Steam Service			Water Service		
		Pressure psig (bar)	Temperature °F (°C)	Screen Material Mesh SS	Pressure psig (bar)	Temperature °F (°C)	Screen Material Mesh SS
415C	Cast Iron	250 (17.3)	400 (204)	20	400 (28)	100 (38)	20
420C	Cast Brass	300 (20.6)	400 (204)	20	400 (28)	150 (66)	20

Y-Strainers (continued)

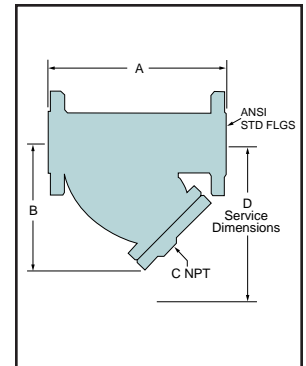
Flanged End

Model 450C

- Cast iron body
- Maximum pressure 125 psig (8.6 bar)
- Available in sizes 2½" - 8" (65-200mm)

Model 460A, 460B

- Cast iron body
- Maximum pressure 250 psig (17.3 bar)
- Available in sizes 2½" - 8" (65-200mm)



Dimensions, in. (mm)

Model 450C

Part Number	A	B	C	D
405324	10 (254)	6½ (165)	1 (25)	9¾ (248)
405327	10⅞ (257)	6¾ (171)	1 (25)	10 (254)
405330	12⅞ (307)	8 (203)	1½ (40)	12 (305)
405333	15⅝ (397)	10½ (267)	2 (50)	15½ (394)
405336	18½ (470)	13½ (343)	2 (50)	20 (508)
405339	21⅝ (549)	15¼ (387)	2 (50)	22¾ (578)

Ordering Information

Model Number	Part Number	Flanged Size in. (mm)	Weight Approx. lbs. (kg)
450C	405324	2½ (65)	33 (15)
450C	405327	3 (80)	47 (21)
450C	405330	4 (100)	80 (36)
450C	405333	5 (125)	109 (49)
450C	405336	6 (150)	152 (69)
450C	405339	8 (200)	247 (112)
460B	405303	2½ (65)	45 (21)
460B	405306	3 (80)	70 (32)
460A	405309	4 (100)	100 (45)
460A	405317	5 (120)	150 (68)
460A	405315	6 (150)	210 (95)
460A	405318	8 (200)	350 (159)

Model 460B

Part Number	A	B	C	D
405303	11⅞ (283)	7 (178)	1 (25)	10¼ (260)
405306	12¾ (324)	8¼ (210)	1¼ (32)	12¼ (311)

Model 460A

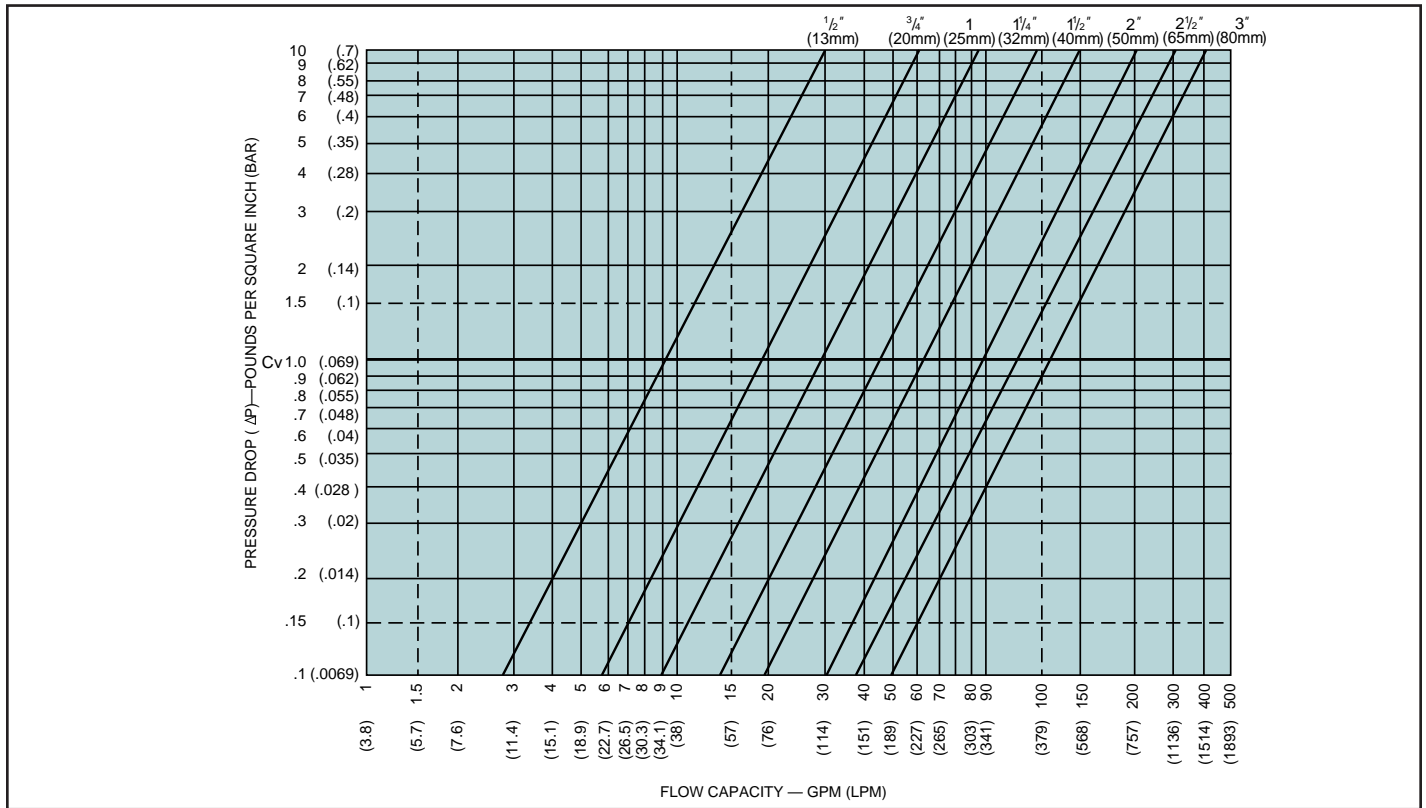
Part Number	A	B	C	D
405309	15¼ (387)	10½ (267)	1½ (40)	15¼ (387)
405317	17⅝ (448)	12¾ (324)	2 (50)	19 (483)
405315	19⅝ (498)	14½ (368)	2 (50)	22½ (572)
405318	25 (635)	16 (406)	2 (50)	23½ (597)

Specifications

Model	Flanged Size in. (mm)	Flange Rating psig (bar)	Body Material	Steam Service			Water Service		
				Pressure psig (bar)	Temp. °F (°C)	Screen Material Perf. SS in. (mm)	Pressure psig (bar)	Temp. °F (°C)	Screen Material Perf. SS in. (mm)
450C	2½ - 4 (65-100)	125 (8.6)	Cast Iron	125 (8.6)	400 (204)	.062 (1.6)	200 (13.8)	100 (38)	.062 (1.6)
450C	5 - 8 (125-200)	125 (8.6)	Cast Iron	125 (8.6)	400 (204)	.125 (3.2)	200 (13.8)	100 (38)	.125 (3.2)
460B	2½ - 3 (65-80)	250 (17.3)	Cast Iron	250 (17.3)	400 (204)	.062 (1.6)	500 (35)	100 (38)	.062 (1.6)
460A	4 (100)	250 (17.3)	Cast Iron	250 (17.3)	400 (204)	.062 (1.6)	500 (35)	100 (38)	.062 (1.6)
460A	5 - 8 (125-200)	250 (17.3)	Cast Iron	250 (17.3)	400 (204)	.125 (3.2)	500 (35)	100 (38)	.125 (3.2)

Capacities – Water Flow vs Pressure Drop

Screwed End Y-Strainers



Flanged End Y-Strainers

