

## 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.

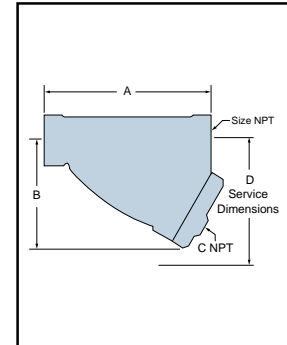
### Screwed NPT End

#### 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" 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" NPT



### Ordering Information

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

### Dimensions in. (mm)

#### Model 415C

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

#### Model 420C

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

### 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**

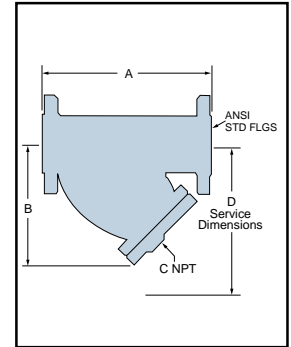
- Cast iron body
- Maximum pressure: 125 psig (8.6 bar) for steam  
200 psig (13.8 bar) for water
- Available in sizes 2½" - 8" (65-200mm)

**Model 460A, 460B**

- Cast iron body
- Maximum pressure: 250 psig (17.3 bar) for steam  
500 psig (35 bar) for water
- Available in sizes 2½" - 8" (65-200mm)



**Flanged End Y-Strainer**



**Dimensions, in. (mm)**

**Model 450C**

Part Number	A	B	NPT C	D
405324	10 (254)	6½ (165)	1	9¾ (248)
405327	10⅛ (257)	6¾ (171)	1	10 (254)
405330	12⅛ (307)	8 (203)	1½	12 (305)
405333	15⅝ (397)	10½ (267)	2	15½ (394)
405336	18½ (470)	13½ (343)	2	20 (508)
405339	21⅝ (549)	15¼ (387)	2	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	NPT C	D
405303	11⅛ (283)	7 (178)	1	10¼ (260)
405306	12¾ (324)	8¼ (210)	1¼	12¼ (311)

**Model 460A**

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

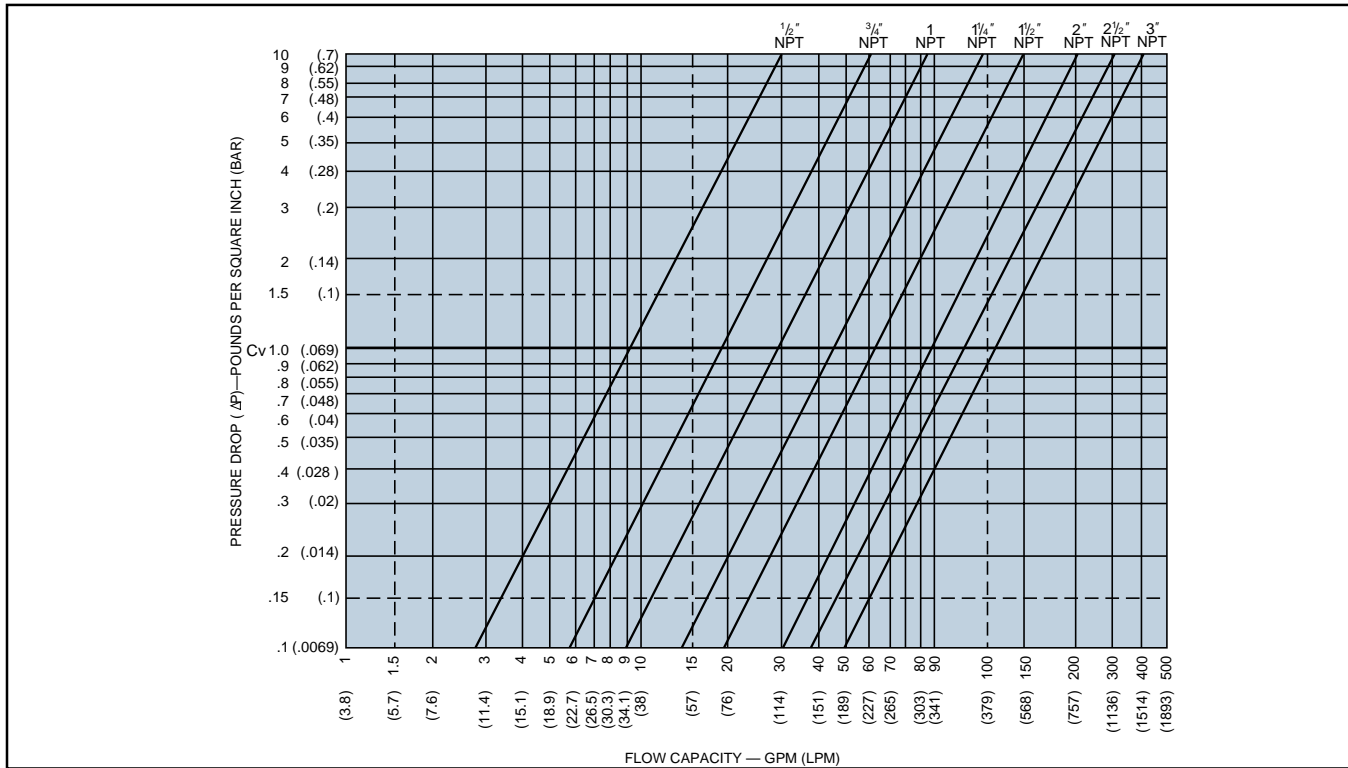
**Specifications**

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)	.062 (1.6)	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)	.062 (1.6)	500 (35)	100 (38)	.125 (3.2)

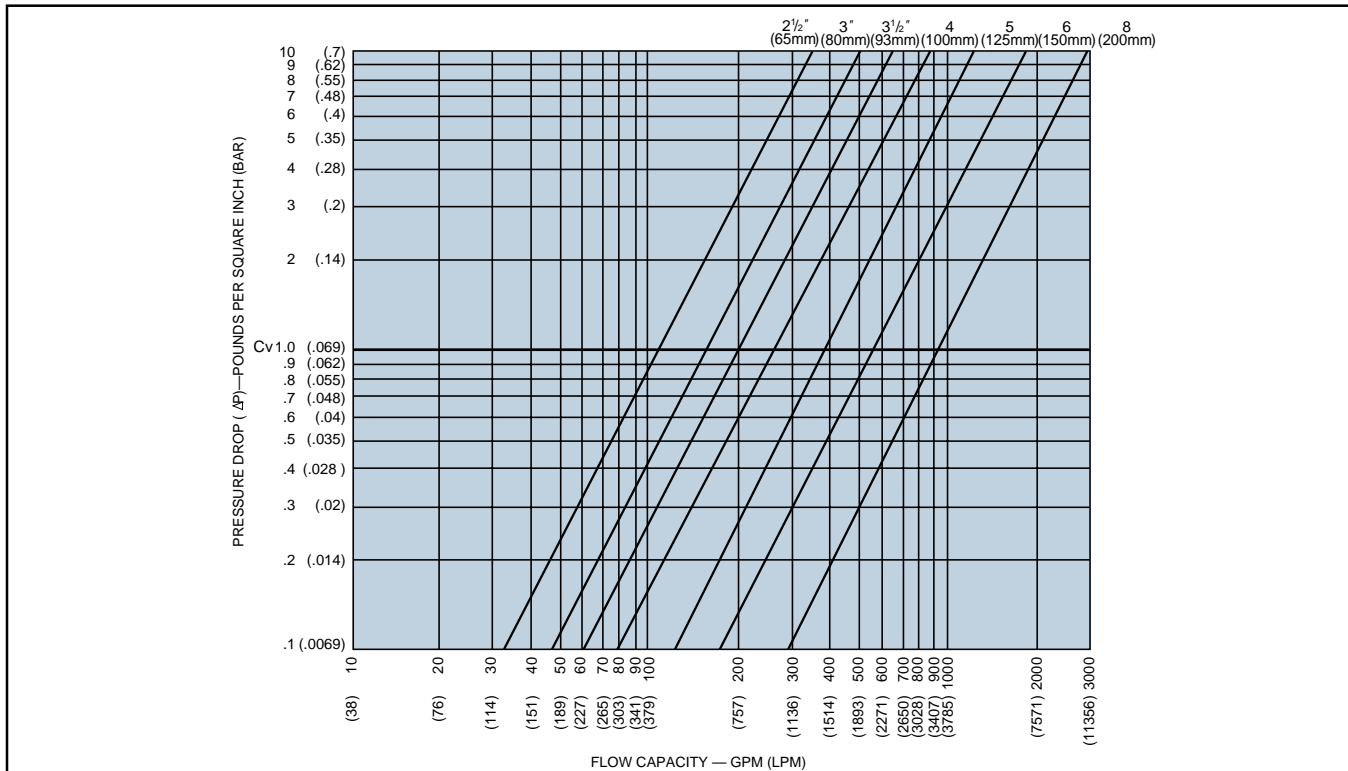
Y-Strainers

## Capacities – Water Flow vs Pressure Drop

### Screwed End Y-Strainers



### Flanged End Y-Strainers



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