

Thermostatic Steam Traps

Series 17C Balanced Pressure

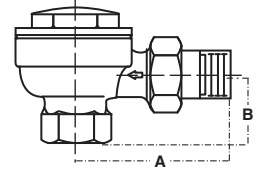


The Series 17C Balanced Pressure Thermostatic Steam Traps are for institutional, commercial and residential heating system applications such as schools, hospitals, apartment buildings, homes or others where low or moderate water hammer may occur.

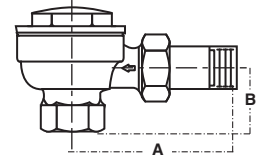
- Subcooling for extremely efficient system operation and elimination of flash steam losses on low pressure systems
- Sizes available:
 - 1/2" NPT and BSPT Angle, Vertical
 - 1/2" NPT Swivel
 - 3/4" NPT and BSPT Angle, Vertical
 - 1" NPT and BSPT Angle
- Replaceable Dura-Stat® module
- 3-Year Warranty
- Meets Mil specification A-A-60001 Type V, Style A, Class 1 and 2
- Stainless steel components
- Resistant to moderate water hammer and chemical attack
- Maximum operating pressure 25 psig (1.7 bar)



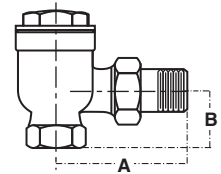
**Model 17C Angle
(with short nipple)**
1/2"



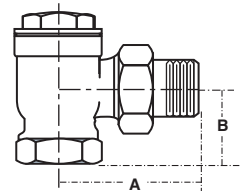
Model 17C Angle
1/2"



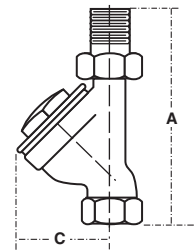
Model 17C Angle
3/4"



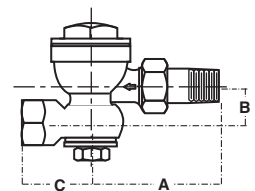
Model 17C Angle
1"



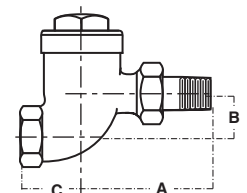
Model 17C Vertical
1/2"



Model 17C Swivel
1/2"



Model 17C Straightaway
3/4"



Series 17C Balanced Pressure BEAR TRAP®

Dimensions, in. (mm)

Model	Pattern	Size in.	A	B	C
17C-AS-2-25	Angle (w/short Nipple)	½	2 ²⁷ / ₃₂ (72)	1¼ (32)	—
17C-A-2-25	Angle	½	3¼ (83)	1¼ (32)	—
17C-V-2-25	Vertical	½	4 ²³ / ₃₂ (120)	—	2 ¹ / ₈ (54)
17C-SV-2-25	Swivel	½	3¼ (83)	1 ⁵ / ₁₆ (24)	1 ¹³ / ₁₆ (46)
17C-A-3-25	Angle	¾	3 ¹ / ₈ (79)	1½ (38)	—
17C-S-3-25	Straightaway	¾	3 ⁵ / ₃₂ (80)	1 ¹ / ₈ (29)	1 ⁵ / ₈ (41)
17C-A-4-25	Angle	1	3 ⁷ / ₃₂ (82)	1 ³ / ₄ (45)	—

Gross Ratings

Series 17C	Differential Across Trap psi (bar)								
	¼ (.017)	½ (.034)	1 (.069)	1½ (.10)	2 (.14)	5 (.35)	10 (.7)	15 (1.0)	25 (1.7)
	Capacity lb/hr (kg/hr)								
	42 (19)	51 (23)	63 (29)	72 (33)	77 (35)	102 (46)	125 (57)	140 (64)	162 (73)

Series 17C capacities are based on 40° F (22°C) subcooling. Cold capacity is approximately 4 times capacity shown.

SHEMA

Series 17C	Differential Across Trap psi								
	¼	½	1	1½	2	5	10	15	25
	Capacity sq. ft. EDR*								
	85	120	165	200	235	370	530	640	800

* Ratings are in accordance with recommended standards established by the Steam Heating Equipment Manufacturers association (SHEMA).

1 sq. ft. EDR is equivalent to a heat emission of 240 BTU per hour with 2 psig steam filling a radiator surrounded by 70°F ambient air.

To convert sq. ft. EDR to lbs. of condensate, or steam per hour, divide the sq. ft. rating by 4.

Ordering Information

NPT Model Number	BSPT Model Number	Size in.	NPT Part Number	BSPT Part Number	Differential Pressure Rating psi (bar)	Weight lbs. (kg)
17C-AS-2-25 Angle (w/short nipple)		½	401542		25 (1.7)	1.2 (.54)
17C-A-2-25 Angle		½	401536		25 (1.7)	1.2 (.54)
17C-V-2-25 Vertical		½	401551		25 (1.7)	1.2 (.54)
17C-SV-2-25 Swivel		½	401545		25 (1.7)	1.2 (.54)
17C-A-3-25 Angle	17C-A-3J-25 Angle	¾	402006	402014	25 (1.7)	1.5 (.7)
17C-S-3-25 Straightaway		¾	402011		25 (1.7)	1.3 (.6)
17C-A-4-25 Angle		1	402012		25 (1.7)	2.3 (1)

Thermostatic Steam Traps (continued)

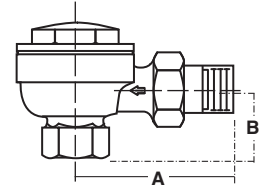
Series 8C Balanced Pressure **BEARTRAP®**

The Series 8C Balanced Pressure Thermostatic Steam Traps are for institutional and commercial heating system applications or others that require high capacity operation.

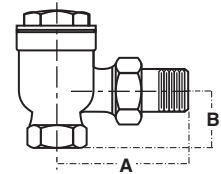
- Sizes available:
 - 1/2" NPT and BSPT Angle
 - 3/4" NPT and BSPT Angle or Straightaway
- Subcooling for extremely efficient system operation and elimination of flash steam losses on low pressure systems
- Replaceable Dura-Stat® module
- 3-Year Warranty
- Meets Mil specification A-A-60001 Type V, Style A, Class 1 - 4
- Stainless steel components
- Resistant to moderate water hammer and chemical attack
- Maximum operating pressure 125 psig (8.6 bar)



Model 8C Angle
1/2"



Model 8C Angle
3/4"

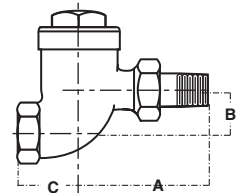


Dimensions, in. (mm)

Model	Pattern	Size	A	B	C
8C	Angle	1/2	2 ²⁷ / ₃₂ (72)	1 ¹ / ₄ (32)	—
8C	Angle	3/4	3 ¹ / ₈ (79)	1 ¹ / ₂ (38)	—
8C	Straightaway	3/4	3 ⁵ / ₃₂ (80)	1 ¹ / ₈ (29)	1 ⁵ / ₈ (41)



Model 8C Straightaway
3/4"



Ordering Information

NPT Model Number	BSPT Model Number	Size in.	NPT Part Number	BSPT Part Number	Differential Pressure Rating psi (bar)	Weight lbs. (kg)
8C-A-2-125 Angle	8C-A-2J-125 Angle 1/2"	1/2	402002	402008	125 (8.6)	1.5 (.7)
8C-A-3-125 Angle	8C-A-3J-125 Angle 3/4"	3/4	402003	402009	125 (8.6)	1.5 (.7)
8C-S-3-125 Straightaway		3/4	402004		125 (8.6)	1.5 (.6)

Gross Ratings

Series	Differential Across Trap psi (bar)											
	1/4 (.017)	1/2 (.034)	1 (.069)	1 1/2 (.10)	2 (.14)	5 (.35)	10 (.7)	15 (1.0)	25 (1.7)	50 (3.5)	100 (6.9)	125 (8.6)
8C	Capacity lbs./hr (kg/hr)											
	110 (50)	150 (68)	210 (95)	255 (116)	300 (136)	480 (218)	760 (345)	950 (431)	1350 (612)	2100 (953)	3500 (1590)	4200 (1905)

Series 8C capacities are based on 30° F (17°C) subcooling. Cold capacity is approximately 2 times capacity shown.

Thermostatic Steam Traps (continued)

Series 9C Balanced Pressure

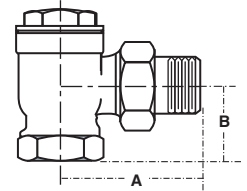


The Series 9C are for institutional and commercial heating system applications or others that require high capacity operation.

- Subcooling for extremely efficient system operation and elimination of flash steam losses on low pressure systems.
- Sizes available:
 - 1" NPT Angle
- Replaceable Dura-Stat® module
- 3-Year Warranty
- Meets Mil specification A-A-60001 Type V, Style A, Class 1 - 4
- Stainless steel components
- Resistant to moderate water hammer and chemical attack
- Maximum operating pressure 125 psig (8.6 bar)



Model 9C Angle
1" NPT



Dimensions, in. (mm)

Model	Pattern	Size	A	B
9C	Angle	1	3 ⁷ / ₃₂ (82)	1 ³ / ₄ (45)

Ordering Information

NPT Model Number	Size in.	NPT Part Number	Differential Pressure Rating psi (bar)	Weight lbs. (kg)
9C-A-4-125 Angle	1	402005	125 (8.6)	2.3 (1)

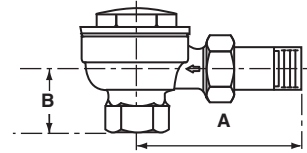
Gross Ratings

Series	Differential Across Trap psi (bar)											
	¼ (.017)	½ (.034)	1 (.069)	1½ (.10)	2 (.14)	5 (.35)	10 (.7)	15 (1.0)	25 (1.7)	50 (3.5)	100 (6.9)	125 (8.6)
9C	Capacity lbs./hr (kg/hr)											
	110 (50)	150 (68)	210 (95)	255 (116)	300 (136)	480 (218)	760 (345)	950 (431)	1350 (612)	2100 (953)	3500 (1590)	4200 (1905)

Thermostatic Steam Traps (continued)

Competitive brand changeover to Hoffman Specialty Model 17C

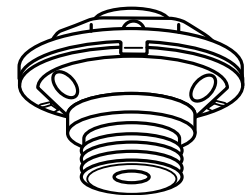
Manufacturer	Model Number	Dimensions in. (mm)		Hoffman Specialty Bear Trap Part Number
		A	B	
Barnes & Jones	122A	3 (76)	1¼ (32)	401536
Dunham Bush /Mepco	1E-AP	3⅛ (79)	1⅛ (29)	401536
Erwell	R30	3¼ (83)	1½ (38)	401536
Illinois	1G, 1GS 1MG	2⅞ (73)	1⅛ (29)	401542
Spirax Sarco	TS-25	2 ¹³ / ₁₆ (71)	1 ³ / ₁₆ (30)	401542
Sterling	7-50	3¼ (83)	1¼ (32)	401536
Trane	B1	3¼ (83)	1 ¹ / ₁₆ (27)	401536
Warren Webster	502, 702	2¾ (70)	1⅛ (29)	401542
Hoffman Specialty	17C w/std. nipple	3¼ (83)	1¼ (32)	401536
Hoffman Specialty	17C w/short nipple	2 ²⁷ / ₃₂ (72)	1¼ (32)	401542




Dura-stat® Replacement Modules

For Barnes & Jones, Dunham-Bush, Illinois, Spirax-Sarco, and Hoffman Specialty Thermostatic Steam Traps.

The all Stainless Steel Dura-stat® Replacement Module should be used to upgrade thermostatic steam traps. The Dura-stat is durable and water hammer resistant.



Selection

Trap Manufacturer	NPT Size in.	Model Number	 Dura-stat® Part Number:
Hoffman Specialty	½	17C	600084
Spirax-Sarco	½	TB-25, TH-25, TS-25, H	600056
Barnes & Jones	½	122	600053
Dunham-Bush/Mepco	½	1C, 1E	600052
Illinois	½	1G	600056
Warren Webster	½	02H, 502	600250