Thermostatic Steam Traps

spirax sarco[®]

efficient and cost effective steam trapping solutions for industrial process, HVAC equipment and steam tracing lines

Efficient thermostatic steam traps reduce startup times and improve overall efficiency

For more than 85 years, Spirax Sarco has been the world's leader in thermostatic steam trap development. The thermostatic operation adjusts automatically to varying steam pressures and has excellent air venting characteristics. These air venting characteristics are essential to a quick and efficient start-up and also a smooth uninterrupted operation.

In addition to balanced pressure thermostatic steam traps, Spirax Sarco also offers bimetallic thermostatic steam traps. The unique multi-cross bimetallic element used in this range dictates that they follow the steam saturation curve over wide pressure ranges.

Spirax Sarco's range of balanced pressure and bimetallic thermostatic steam traps are offered with built-in strainers and are resistant to waterhammer and freezing. In addition, these traps are designed to be serviced without removal from the piping for ease of maintenance.

These traps are ideal for applications in which some condensate subcooling is permissible or even desirable.



Model Sizes (inches)		Connections			Pipe Configuration		Body Material				TIS					
	1/4	3/8	1/2	3/4	1	NPT	SW	FLG	Angle	In-Line	Brass	Cast Iron	Dctl. Iron	Steel	Stn. Steel	#
BALANC	ED Pl	RESSI	JRE													
TA-125 TH-25 TH-125 TV-125			\$ \$ \$ \$	\$ \$ \$	1	\$ \$ \$ \$			~	\$ \$ \$	\$ \$ \$					2.0101
T250 TM600			√ √	√ √	1	\ \ \	1	1	√ √	√ √		1	1	1		2.009 2.003
BPM21L BPT21 BPT30		1	\ \ \	√ √	1	\$ \$ \$	\ \ \	√ √		\$ \$ \$				✓ ✓ ✓		2.014 2.004 2.005
TSS300 MST18	1	1	√ √			\ \				√ √					√ √	2.0001 2.002
SBP30 UBP30			√ √	√ √	1	\ \	√ √			√ √					\$ \$	2.0061 2.008
BT6 BTM7 BTS7	√ √		\$ \$ \$	\$ \$ \$	↓ ↓ ↓	✓* ✓*† ✓†				\$ \$ \$					\$ \$ \$	2.000 2.0002 2.0002
BIMETAI	LIC															
SM21 SM24H SM45 SSM21			\$ \$ \$ \$	\$ \$ \$	1 1	\$ \$ \$ \$	\ \ \ \	\$ \$ \$		5 5 5				✓ ✓ ✓	<i>✓</i>	2.100 2.102 2.103 2.104

Thermostatic Steam Trap Overview

* Available with Tri-Clamp® compatible sanitary clamp ends.

2 † Available with O.D. Tube ends.

User benefits

A	The second
	Ann
and I	
	Y-pattern strainers available to meet plant maintenance requirements.

✓	Staimess steer construction for long life.
1	Reduces start-up time and increases operating efficiency with excellent air handling ability.
1	Adjusts automatically to varying steam pressures.
1	High resistance to superheat on some models widens the range of applications.
1	Replaceable element/valve connection is easily interchanged without disturbing the piping connections.
1	Reduces installation space requirements and minimizes radiant heat loss with compact design.
1	Ideal for freezing environments.

How the balanced pressure element works

The stainless steel thermostatic element is filled with a liquid which boils a few degrees below saturated steam temperature at any given operating pressure. When the liquid fill boils, the pressure inside the element increases, the element expands, forcing the valve head on the seat to close the trap.

When the trap is cold, the valve is wide open. The equipment can warm up rapidly because the air which initially fills the steam space and the start-up load of cool condensate are discharged quickly (1). As the equipment warms up, the temperature of the condensate passing through the trap increases. When the condensate temperature approaches saturated steam temperature, the element's liquid fill boils, closing the trap before any steam is lost (2). The trap remains closed until the condensate waiting to be discharged has cooled sufficiently to allow the element's fill to condense. The trap then opens and the cycle is repeated (3).

The trap automatically adjusts to variations in steam pressure, so that the amount of subcooling remains constant. Subcooling refers to the degrees the condensate must cool below saturated steam temperature before the trap opens.







Typical applications for thermostatic steam traps

Jacketed kettles

Balanced pressure thermostatic steam traps are particularly suited for batch-type processes because the air which initially fills the steam space is quickly discharged through the wide open steam trap. A separate thermostatic air vent installed opposite the steam inlet will discharge air which may collect in the top of the jacket.



Steam radiators and convectors

Spirax Sarco brass-bodied radiator traps have male union inlet fittings to simplify direct connection to steam radiators and convectors. The stainless steel welded bellows, valve head and seat can be replaced easily and quickly without disturbing the piping connections.

Steam tracing lines

For non-critical steam tracing applications, a trap with a sub-cooling capsule will make use of some of the sensible heat in the condensate before it is discharged. For critical applications a trap which operates close to steam temperature should be selected.

Sterilizers

For effective operation, the sterilizer must be kept completely free of condensate and air. (An air-steam mixture has a lower temperature than pure steam.) Because of its excellent airhandling ability and compact size, a balanced pressure trap with a "near to steam" capsule is the best choice for small sterilizers. Depending on the configuration of the steam space, a separate air vent may be advantageous.

Steam Trap Selection and Sizing

Need to Know

- 1. The steam pressure at the trap after any pressure drop through the control valve or equipment.
- 2. The distance the condensate must be lifted after the trap. Rule of thumb: 2 feet of lift equals 1 psi back pressure (approximately).
- 3. Any other possible sources of back pressure in the condensate return system. For example:
 - Condensate taken to a pressurized deaerator tank or flash recovery vessel.
 - Local back pressure due to discharge of numerous traps close together into an undersized return.
- 4. Quantity of condensate handled. Obtained from:
 Measurement
 Calculation
 Manufacturer's data
- 5. Safety Factor that is dependent upon particular application, typical examples as follows:

cypical examples as follows.	
Śteam Mains	2:1
Tracers	2:1
Non-Modulating	2:1
Modulating over 30 psi	3:1
Modulating under 30 psi	Size trap at full load and 1/2 psi differential

Rule of thumb: Use a factor of 2 on everything except Temperature Controlled Air Heater Coils and Converters, and Siphon Applications

How to Size

The difference between the steam pressure at the trap inlet and the total back pressure, including that due to lift after the trap, is the differential pressure. The quantity of condensate should be multiplied by the appropriate safety factor to produce the sizing load. The trap may now be selected using the differential pressure and the sizing load.

Note: The inlet pressure to the steam trap should never exceed the Maximum Operating Pressure (PMO) of the selected trap, regardless of differential pressure.

Example

A steam trap is required to drain 150 lb/h of condensate from a jacketed kettle which uses steam at 100 psig. There will be a lift after the trap of 30 ft.

Inlet Pressure	100 psig
Lift	30 ft. = 15 psi (approximately)
Therefore, Differential Pressure	100 psi - 15 psi = 85 psi
Quantity	150 lb/h
Safety Factor	2:1
Sizing Load	300 lb/h

The BPT21Y will easily handle 300 lb/h at a differential pressure of 85 psi.

T250

The balanced pressure thermostatic T250 steam trap is a rugged cast iron product suitable for high capacity process applications. The cast iron body and thermostatic design make it a good choice for outdoor applications where freezing is a concern. All internal parts can be serviced without removing the trap from the pipeline.



T250

	1 =0 0
Sizes	¹ /2", ³ /4", 1"
Body Material	Cast Iron
Connections	NPT
Piping Configuration	Angle or In-Line
Options	N/A
TIS#	2.009
Maximum Operating Pressure (PMO)	250 psig



	Dimensions (noninar) in inches								
Size	Туре	Α	В	С	D	Weight			
1/2" & 3/4"	Angle	1.75	1.75	3.12	4.56	3.5 lb			
1/2"	Straightway	1.75	1.75	3.12	5.37	4.3 lb			
3/4"	Straightway	1.87	1.75	3.12	5.37	4.3 lb			
1"	Angle	2.12	2.25	3.9	5.37	6.0 lb			



TM600

The balanced pressure thermostatic TM600 steam trap is a medium capacity, high pressure trap suitable for steam main drips and process equipment. The durable design is ideal for outdoor applications subject to freezing. A variety of flow patterns (angle, in-line horizontal or vertical) are available for piping convenience.



TM600

TM600	TM600L	TM600N
	¹ / ₂ ", ³ / ₄ "	
Ľ	Ouctile Iron	L
	NPT	
An	gle	In-Line
		SW or Flanged
	2.003	
	600 psig	
	TM600 E An	TM600 TM600L 1/2", 3/4" Ductile Iron NPT Angle 2.003 600 psig





TM600 TM600L

Dimensions (nominal) in inches								
Туре	Α	В	С	D	Weight			
TM600N	-	1.06	4.25 (SW), 5.25 (Scr.)	6.06	9.25 lb			
TM600 & TM600L	2.0	2.8	4.2	6.25	7.0 lb			



TA, TH, TV

These brass bodied balanced pressure thermostatic steam traps



Model SizesTA-125 $1/2", 3/4", 1"$ TH-25 $1/2", 1/2", 3/4"$ TH-125 $1/2", 3/4"$ Body MaterialBrassConnectionsNPT-Male union inletPiping ConfigurationAngleHorizontalOptionsExtended male inlet sput (1/2", 3/4" TA-125 only)TIS #2.0101Maximum Operating Pressure (PMO)125 psig25 psig125 psig1/2" TH-25 1/2", 3/4" TH-1251/2" TH-25 1/2", 3/4" TH-1251/2" TH-25 1/2", 3/4" TH-1251/2" TH-25 1/2", 3/4" TH-125Size Type PatternPatternA B CCD C1/2" TA-125Angle 2.8*1.21.01.91.101.101.12 </th <th></th> <th colspan="8">T-Series Radiator Traps</th> <th></th>		T-Series Radiator Traps									
Body MaterialBrassConnectionsNPT-Male union inletPiping ConfigurationAngleHorizontalVerticalOptionsExtended male inlet spud ($\frac{1}{2}$, $\frac{3}{4}$ " TA-125 only)TIS#2.0101Maximum Operating Pressure (PMO)125 psig25 psig125 psigImage: Display trace of the system of the syst	Mod Sizes	lel S		$ ^{TA}_{1/2}", 3$	-125 / ₄ ", 1"		[-25 / ₂ ''	TF	H-125 1/2] ", ³/	'V-125 4''
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Body	y Mate	rial				Br	ass			
Piping ConfigurationAngleHorizontalVerticalOptionsExtended male inlet spud ($^{1}/_{2}$, $^{3}/_{4}$ " TA-125 only)TIS#2.0101Maximum Operating Pressure (PMO)125 psig25 psig125 psigImage: TA-125125 psig25 psig125 psigImage: TA-125Image: TH-25 transform 1/2" TH-25 transformImage: Theorem transform1/2", 3/4 transformImage: TypePatternABCDEFGWeightImage: TypePatternABCDEFGWeightImage: TypePatternABCDImage: TopImage: TopImage: TopImage: TopImage: TopImage: TheoremABCDImage: TopImage:	Con	nectior	ıs		N	PT-N	/Jale	unic	on inl	et	
OptionsExtended male inlet spud ($^{1}/_{2}^{*}$, $^{3}/_{4}^{*}$ TA-125 only)TIS#2.0101Maximum Operating Pressure (PMO)125 psig25 psig125 psigImage: TA-125Image: Theorem interval in the state of the sta	Pipin	g Confi	guration	An	gle	l	Horiz	zont	al	V	'ertical
TIS #2.0101Maximum Operating Pressure (PMO)125 psig25 psig125 psigImage: TA-125Image: Theorem state is a	Opti	Options Extended male inlet spud (1/2", 3/4" TA-125 only)							25 only)		
Maximum Operating Pressure (PMO)125 psig25 psig125 psigImage: TA-125Image: TH-25 1/2" TH-25 1/2", 3/4" TH-125Image: Theorem Image: Theorem Image: Theorem Image: Theorem 	TIS#						2.0	101			
$\begin{array}{c c} \hline \\ \hline $	Maxi Pres	mum C sure (P	perating MO)	125	psig	25]	psig		12	5 ps	sig
Dimensions (nominal) in inches Size Type Pattern A B C D E F G Weight 1/2" TA-125 Angle 2.8* 1.2 1.0 1.9 - - - 1 lb 1/0" TH 25 Chuicht 205 1/2 1/2 0.0 1.75 0.0 0.0 1.2 lb	TA-125 1/2" TH-25 1/2", 3/4" TH-125 1/2", 3/4" TH-125										
Size Type Pattern A B C D E F G Weight 1/2" TA-125 Angle 2.8* 1.2 1.0 1.9 - - - 1 lb 1/2" TH 25 Chuicht 2.95 1.6 1.9 - - - 1 lb			Din	nens	ions (nomin	al) in ii	nches			
$\frac{1/2"}{1/2"} \frac{1}{TA-125} \frac{1}{Angle} \frac{2.8*}{2.2} \frac{1.2}{1.0} \frac{1.9}{1.9} - \frac{-1}{-1} \frac{1}{1b}$	Size	Туре	Pattern	A	B	C	D	E	F	G	Weight
1/2 1H-25 Straight 3.25 - 1.6 2.0 1.75 0.6 0.6 1.3 lD	$\frac{1/2''}{1/2''}$	TA-125 TH-25	Angle Straight	2.8*	1.2	1.0 1.6	1.9	- 1.75	- 0.6	- 0.6	1 lb 1.3 lb

1/2	111-23	Straight	3.23	-	1.0	2.0	1.75	0.0	0.0	1.5 10
1/2"	TH-125	Straight	3.25	-	1.25	2.0	1.4	0.6	0.6	1.4 lb
1/2"	TV-125	Vertical	-	5.1	-	2.0	-	-	-	1.6 lb
3/4"	TA-125	Angle	3.1*	1.25	1.0	1.9	-	-	-	1.3 lb
3/4"	TH-125	Straight	3.25	-	1.25	2.0	1.4	0.8	1.1	1.8 lb
3/4"	TV-125	Vertical	-	5.6	-	2.0	-	-	-	2 lb
1"	TA-125	Angle	3.5	2.0	1.75	2.0	-	-	-	2.8 lb
* With	* With optional extended inlet spud. "A" dimension is 3.25"									



BPM21L

The BPM21L is a low profile balanced pressure thermostatic steam trap ideal for steam tracers, hospital equipment, radiators, and main drips. The balanced pressure capsule design provides good resistance to waterhammer and moderate super-



BPM21L

Sizes	3/8", 1/2"
Body Material	Forged Steel
Connections	NPT
Piping Configuration	In-Line
Options	SW Connections (1/2" only)
TIS#	2.014
Maximum Operating Pressure (PMO)	305 psig



	Din	nension	S (nominal	l) in inche	s	
Size	Α	В	С	D	Ε	Weight
3/8", 1/2"	2.75	2.4	1.4	.6	.4	2.0 lb

BPM21L Capacities



BPT21

The BPT21 is a versatile balanced pressure thermostatic steam trap suitable for steam main drip stations, hospital, laundry, kitchen equipment, and steam tracing lines. The unit is available with or without a strainer and with various end connections for maximum flexibility. The balanced pressure capsule design is good waterhammer and moderate superheat resistance.



BPT21

Model	BPT21LC, BPT21HC, BPT21YLC, BPT21YHC
Sizes	1/2", 3/4"
Body Material	Forged Steel
Connections	NPT
Piping Configuration	In-Line
Options	SW connections, ANSI 150 & 300, Subcooling capsule filling, ¹ / ₄ " plugs for strainer blowdown & trap testing
TIS#	2.004
Maximum Operating Pressure (PMO)	304 psig



		D	imer	sion	S (nomi	inal) in	inches			
Size 7	Гуре	Α	В	С	D	Е	н	J	Wei Scr/SW	ght Flgd
1/2" E	3PT21	3.4	5.9	2.9	2.5	0.83	1.4	-	3 lb	6.8 lb
3/4" E	3PT21	3.4	5.9	2.9	2.6	0.98	1.4	-	3.5 lb	7.3 lb
1/2" E	3PT21Y	3.4	5.9	2.9	2.5	2.0	1.4	3.0	3.5 lb	5.9 lb
3/4" E	3PT21Y	3.4	5.9	2.9	2.6	2.0	1.4	3.0	3.9 lb	6.4 lb

		Ι	Dime	nsior	1S (non	ninal) in	inches			
Size	Туре	A	В	С	D	Е	н	J	Wei Scr/SW	ght Flgd
1/2"	BPT30	3.7	5.9	3.2	3.9	0.67	1.5	-	4.8 lb	7.9 lb
3/4"	BPT30	3.7	5.9	3.2	3.9	0.79	1.5	-	5.1 lb	9.0 lb
1"	BPT30	3.7	6.3	3.2	3.9	1.1	1.5	-	5.3 lb	10.1 lb
1/2"	BPT30Y	3.7	5.9	3.2	3.8	3.1	1.5*	5.0	7 lb	10.3 lb
3/4"	BPT30Y	3.7	5.9	3.2	3.8	3.1	1.5*	5.0	7 lb	11.9 lb
1"	BPT30Y	3.7	6.3	3.2	3.8	3.1	1.5*	5.0	7.3 lb	12.8 lb
* With	Blowdown	valve ad	dd 1.06"							

BPT 30

The BPT30, like the BPT21, is a balanced pressure thermostatic steam trap available with or without a strainer and with various end connections. The advantage of the BPT30 is its maximum operating pressure of 435 psig. This makes it suitable for medium pressure main drips, steam tracing systems, and process equipment. The balanced pressure capsule design is self adjusting over the entire operating pressure range.

BPT30

Model	BPT30LC	BPT30HC	BPT30YLC	BPT30YHC			
Sizes	¹ / ₂ ", ³ / ₄ "	1"	¹ / ₂ ", ³ / ₄ "	1"			
Body Material		Forgeo	d Steel				
Connections	nnections NPT						
Piping Configurati	Piping Configuration Ir			n-Line			
Options	SW connections, ANSI 150 & 300, Subcooling capsule filling, blowdow valve for BPT30Y & trap testing						
TIS#	2.005						
Maximum Operating Pressure (PMO)	435 psig						



BPT21/30, BPT21Y/30Y Capacities



TSS300

The TSS300 is a low capacity, low profile balanced pressure thermostatic steam trap ideal for critical and non-critical steam tracing systems. The welded stainless steel element self adjusts to varying operating pressures. It can be installed in either horizontal or vertical piping for added flexibility.



TSS300

Sizes	³ /8", ¹ /2"
Body Material	Stainless Steel
Connections	NPT
Piping Configuration	In-Line
Options	Strainer Screen (1/2" only)
TIS#	2.0001
Maximum Operating Pressure (PMO)	300 psig



Dimensions (nominal) in inches				
Size	Α	В	Weight	
3/8", 1/2"	2.5	1.5	0.7 lb	



MST18

Like the TSS300, the MST18 is a low capacity, low profile balanced pressure thermostatic steam tracer trap. The added benefit of the MST18 is the ability to service easily. The welded stainless steel capsule self adjusts to accommodate varying pressures.



MST18

Sizes	¹ /4", ¹ /2"
Body Material	Stainless Steel
Connections	NPT
Piping Configuration	In-Line
Options	N/A
TIS#	2.002
Maximum Operating Pressure (PMO)	261 psig



Dimensions (nominal) in inches					
Size	Α	В	Weight		
1/4"	2.0	1.8	0.88 lb		
1/2"	2.5	1.8	0.95 lb		

MST18 Capacities 1000 900 800 700 Cold Condensate, Ib/h 600 500 20 400 300 200 40 50 20 30 100 200 **Differential Pressure, psi**

SBP30LC

The SBP30LC is a sealed stainless steel balanced pressure thermostatic steam trap ideal for steam tracing systems, main drips, and kitchen and hospital equipment. The balanced pressure capsule has good resistance to waterhammer and moderate superheat.



SBP30LC

Sizes	¹ /2", ³ /4"
Body Material	Stainless Steel
Connections	NPT
Piping Configuration	In-Line
Options	SW and BSP connections, subcooling capsule
TIS#	2.0061
Maximum Operating Pressure (PMO)	261 psig



Dimensions (nominal) in inches					
Size	Α	В	С	D	Weight
1/2", 3/4"	3.1	2.5	2.2	0.74	2.2 lb



UBP30

The UBP30 joins the sealed thermostatic steam trap with Spirax Sarco's popular swivel connector. The result is a balanced pressure thermostatic steam trap with the flexibility of being installed in either a vertical or horizontal line. The convenience in piping and repair make it ideal for low capacity process systems as well as steam tracing systems and steam main drips.

UBP30

Sizes	¹ /2", ³ /4", 1"
Body Material	Stainless Steel
Connections	NPT
Piping Configuration	In-Line
Options	SW and BSP connections, subcooling capsule
TIS#	2.008
Maximum Operating Pressure (PMO)	435 psig





Dimensions (nominal) in inches										
Size	Α	В	С	D	Weight					
1/2"	2.4	3.2	2.2	2.5	3.5 lb					
3/4"	2.8	3.1	2.2	2.5	3.8 lb					
1"	3.5	3.2	2.2	2.5	4.2 lb					



SM21, SM21Y

The SM21 is a low capacity bimetalic thermostatic steam trap ideal for noncritical steam tracing and process systems. The bimetallic element is selfadjusting over the operating pressure range. The SM21 is available in a variety of end connections for maximum piping convenience.



SM21, SM21Y

Sizes	¹ /2"& ³ /4"
Body Material	Forged Steel
Connections	NPT
Piping Configuration	In-Line
Options	SW, ANSI 150 & 300
•	Connections, ¹ / ₄ " tappings
TIS#	2.100
РМО	300 psig





		Weight								
Size	Туре	Α	В	С	D	Ε	F	G	Scr/SW	Flgd
1/2"	SM21	3.4	5.9	2.9	2.5	0.83	1.4	-	3.2 lb	6.8 lb
3/4"	SM21	3.4	5.9	2.9	2.6	0.98	1.4	-	3.5 lb	7.3 lb
1/2"	SM21Y	3.4	5.9	2.9	2.5	2.0	1.4	1.0	3.6 lb	5.9 lb
3/4"	SM21Y	3.4	5.9	2.9	2.6	2.0	1.4	1.0	3.9 lb	6.4 lb

SM21, SM21Y Capacities



SM24H

The SM24H is a bimetallic thermostatic steam trap that can be found in high pressure steam main drips, non-critical tracing and high pressure process systems. This steam trap is available with threaded, socket weld, or flanged connections for piping convenience.



SM24H

Sizes	¹ /2", ³ /4", 1"
Body Material	Forged Steel
Connections	NPT
Piping Configuration	In-Line
Options	SW, ANSI 150 & 300
	Connections, ¹ / ₄ " tappings
TIS#	2.102
РМО	350 psig



		Weig	ht					
Size	Α	В	С	D	Ε	F	Scr/SW	Flgd
1/2"	3.7	5.9	3.2	3.8	0.67	2.2	4.5 lb	7.9 lb
3/4"	3.7	5.9	3.2	3.8	0.79	2.2	5.1 lb	9.0 lb
1"	3.7	6.3	3.2	3.8	1.1	2.2	5.2 lb	9.1 lb

8000 7000 6000 5000 4000 3000 Condensate, Ib/h 2000 1000 800 600 500 400 300 10 8 30 40 50 200 300 20 80 100 **Differential Pressure, psi**

SM24H Capacities

SM45

The SM45 is Spirax Sarco's highest pressure bimetalic thermostatic steam trap. The rugged cast steel design can handle steam pressures to 650 psig and temperatures to 842°F. On high pressure steam mains, where some subcooling is acceptable, the SM45 provides efficient drainage.



SM45

Sizes	¹ /2", ³ /4", 1", 1 ¹ /2"
Body Material	Cast Steel
Connections	SW
Piping Configuration	In-Line
Options	NPT, ANSI 150 & 300 Connections
TIS#	2.103
PMO	650 psig



		Wei	ght					
Size	Α	A1	С	D	Ε	Н	Scr/SW	Flgd
1/2"	5.1	8.3	4.0	5.4	0.95	4.3	12.6 lb	16.0 lb
3/4"	5.1	9.1	4.0	5.4	0.95	4.3	13.7 lb	19.0 lb
1"	5.1	9.1	4.0	5.4	0.95	4.3	13.7 lb	21.0 lb
1-1/2"	5.9	10.2	4.0	5.7	1.2	4.5	14.0 lb	30.0 lb



SSM21

The SSM21 is a sealed bimetallic thermostatic steam trap suitable for non-critical tracing where subcooling of condensate is permissible.



SSM21

Sizes	¹ /2"
Body Material	Stainless Steel
Connections	NPT
Piping Configuration	In-Line
Options	N/A
TIS#	2.104
РМО	304 psig



Dimensions (nominal) in inches								
Α	В	Weight						
2.9	3.7	1.0 lb						



Steam Trap Selection Guide

As the USA's leading provider of steam system solutions, Spirax Sarco recognizes that no two steam trapping systems are identical. Because of the wide array of steam trap applications with inherently different characteristics, choosing the correct steam trap for optimum performance is difficult. Waterhammer, superheat, corrosive condensate, or other damaging operating characteristics dramatically affect performance of a steam trap. With over 85 years of experience in steam technology, Spirax Sarco is committed to helping its customers design, operate and maintain an efficient steam system. You have our word on it!

			1st Choice						2nd Choice			
		at the sail	ACT &	ed	sic	id m	~ /	N & AIL	NOT &	ed	sie	id on d
Application		iloanose The	ernamic Shamic Bal	ancoure resoure Bin	etalli i	Ansis Inde	reed (ioanosu Ing	ynamic Bal	nessure ressure Bim	etally Life	Pansio entert
Steam Mains to 30 ps 30-400 ps to 600 ps to 900 ps to 2000 ps with Superhe	sig sig sig sig sig eat									✓		5 5 5 5
Separators												√
Steam Tracers Critic Non-Critic	cal cal		1					1				
Heating Equipment Shell & Tube Heat Exchange Heating Co Unit Heate Plate & Frame Heat Exchange Radiate	ers 🗸 ils 🗸 ers 🗸 ers 🗸		1									555
General Process Equipment to 30 ps to 200 ps to 465 ps to 600 ps to 900 ps to 2000 ps	sig ✓ sig ✓ sig ✓ sig sig sig					\$ \$ \$						\$ \$
Hospital Equipment Autoclav Sterilize	res ✓ ers ✓								\ \			
Fuel Oil Heating Bulk Storage Tan Line Heat	lks ers ✔		1				1					
Tanks & VatsBulk Storage TanProcess VationProcess Vation	iks ats ✓		1				1	1				
Vulcanizers		1					✓					
Evaporators	1											1
Reboilers	1											1
Rotating Cylinders	1											
Freeze Protection					1							

Regional Offices

Northeast

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