

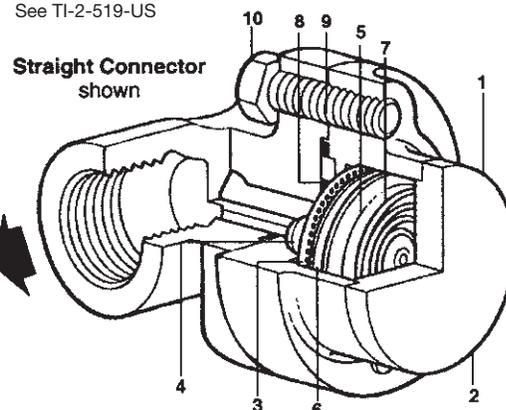
spirax sarco

UBP32 Balanced Pressure Thermostatic Steam Trap (for use with Universal Connectors)

The welded stainless steel element is self-adjusting over the entire operating pressure range and will discharge condensate at approximately 22°F (12°C) below saturated steam temperature. The element is resistant to waterhammer. The connector can be installed in either horizontal or vertical piping, and the trap is easily removed without disturbing the pipework.

Model	UBP32
PMO	464 psig
Trap Construction	Stainless Steel, Tamper proof body
Trap Options	Subcooling capsule filling Near to steam capsule filling
Connector Sizes	½", ¾", 1"
Connector Connections	NPT, SW
Connector Construction	Straight or strainer type (left or right hand) Stainless steel or cast steel
Connector Options	SW connections to ANSI B16.11 Carbon steel USTSII trap station

(Connector of choice sold separately)
See TI-2-519-US



Steam Traps
Universal Connector and Traps

Construction Materials

No.	Part	Material
1	Body	Austenitic stainless steel (304 grade)
2	Cover	Austenitic stainless steel (304 grade)
3	Screen	Stainless Steel
4	Seat	Stainless Steel
5	Capsule	Stainless Steel
6	Spacer plate	Stainless Steel
7	Spring	Stainless Steel
8	Inner gasket	Stainless Steel graphite filler
9	Outer gasket	Stainless Steel graphite filler
10	Connector screws	Steel ASTM A183 B7

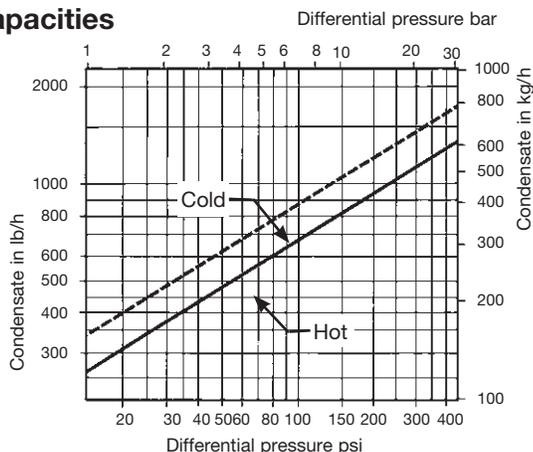
Limiting Operating Conditions

Max. Operating Pressure (PMO)	464 psig (32 barg)
Max. Operating Temperature	572°F (300°C) at 450 psig (31 barg)
	See chart below For all other pressures and temperatures

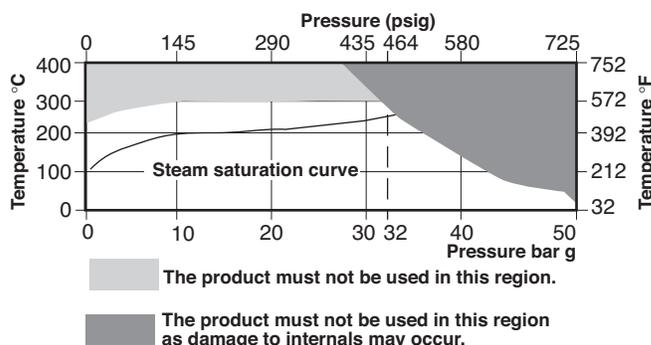
Pressure Shell Design Conditions

PMA Max. allowable pressure	720 psig/up to 100°F 450 psig/459°F 400 psig/752°F	50 barg/up to 38°C 31 barg/237°C 27 barg/426°C
TMA Max. allowable temperature	752°F/0-400 psig	400°C/0-27 barg

Capacities



Operating Range



Typical Applications

Steam tracing systems and steam main drip stations, kitchen and hospital equipment, steam coils, and steam radiators.

Capsule Filling

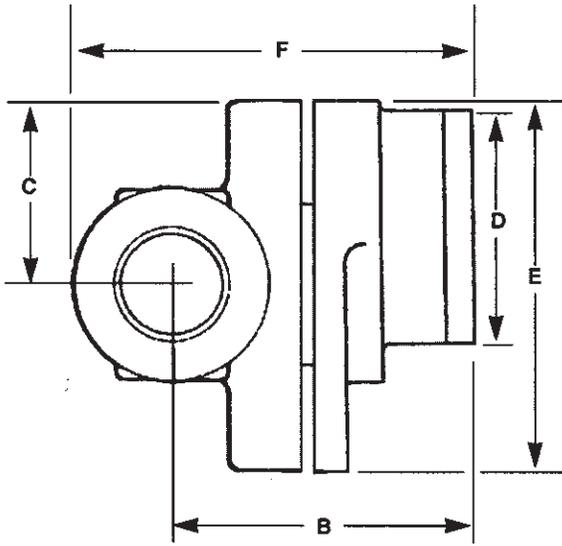
As standard, the trap is supplied with filling for 22°F (12°C), below saturation. As an optional alternative, a near to steam fill with a 7°F (4°C) below saturation or a sub cooled 40°F (22°C) below saturation version can be supplied. Note: If the alternative capsule is required, this must be clearly stated on the order.

Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only. In the interests of development and improvement of the product, we reserve the right to change the specification.

TI-2-008-US 4.15

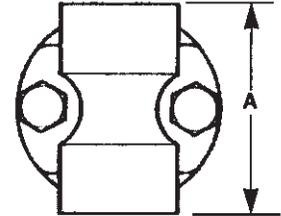
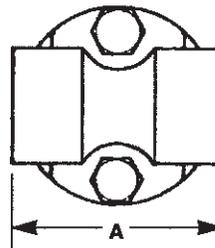
UBP32 Balanced Pressure Thermostatic Steam Trap

(for use with Universal Connectors)



Dimensions (nominal) in inches and millimeters							
Size	A	B	C	D	E	F	Weight
1/2"	2.4	2.2	1.3	1.8	2.7	3.0	3.5 lb
	61.9	5.6	33	46	69	76	1.62 kg
3/4"	2.8	2.6	1.3	1.8	2.7	3.4	3.8 lb
	72	66	33	46	69	86	1.7 kg
1"	3.5	3.3	1.3	1.8	2.7	4.1	4.2 lb
	89	84	33	46	69	104	9.26 kg

The connector may be rotated to any position.



Sample Specification

Steam trap shall be supplied with a pipeline connector which, once installed, remains in the line permanently. The trap shall be attached to the connector by two bolts, to enable simple and rapid installation and replacement. The connection is designed to allow installation on pipework that is vertical, horizontal or any angle in between. The trap itself shall be maintenance-free and tamper-proof design of all stainless steel construction with forged body and drawn cover completely sealed against leakage. Operating element to be a solidly liquid-filled thermostatic capsule which self adjusts to all pressures to 435 psig. Trap shall vent air freely and withstand waterhammer, freezing and superheat.

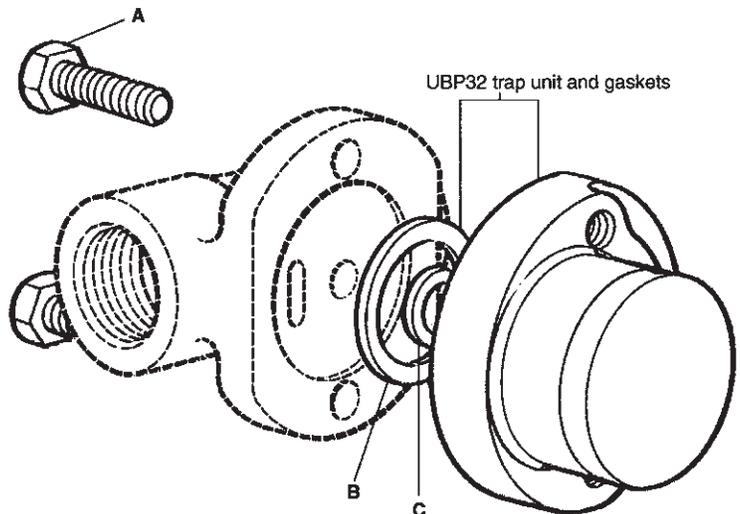
Installation

The connector can be installed in either horizontal or vertical pipework. Full port isolation valves should be installed upstream and downstream of the connector. Line the threaded holes in the trap up with the holes in the connector. Insert the bolts supplied through the connector and thread into the trap evenly. Torque bolts evenly to 22- 26 ft-lbs.

Maintenance

This product is factory sealed for tamper-proof operation. Complete isolation from both supply and return line is required before the trap is removed. **Complete installation and maintenance instructions are given in the IMI sheet, which accompanies the product.**

Spare Parts



Connector Screw & Gasket Set

A, B, C

Available spare parts are shown in heavy outline. Parts drawn in broken line are not supplied as spares.

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