Local regulations may restrict the use of this product to below the conditions quoted.
In the interests of development and improvement of the product, we reserve the right to change the specification without notice. © Copyright 2026

UBP32 Sealed Balanced Pressure Thermostatic Steam Trap for use with Pipeline Connectors

Description

The UBP32 is a maintenance free sealed balanced pressure steam trap manufactured in stainless steel - It can also be supplied with an inbuilt check valve designated UBP32CV. When installed with a suitable pipeline connector the UBP32 can easily and simply be removed without breaking into the pipeline thus speeding up trap replacement with minimal system downtime. Pipeline connectors are available as screwed, socket weld and flanged. The body and cover meet typical industry standards including Charpy impact testing of 27J @ -29 °C (-20.2 °F).

Capsule operation

As standard the UBP32 is supplied with a thermostatic capsule (STD) which operates approximately 12 °C (22 °F) below steam saturation temperature. It can also be supplied with capsules operating near to steam 4 °C (7 °F) below (NTS) or sub cooled 22 °C (40 °F) below (SUB).

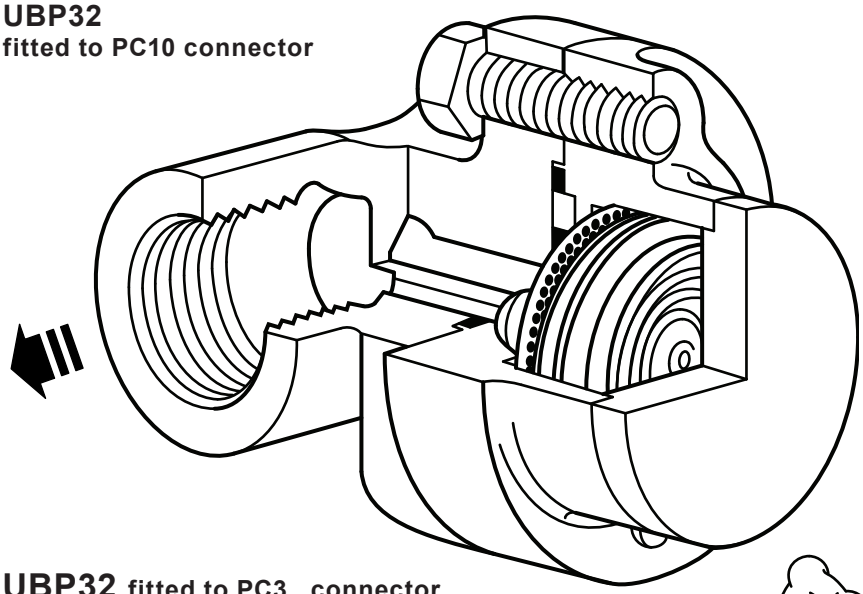
Standards

This product fully complies with the requirements of the EU Pressure Equipment Directive / UK Pressure Equipment (Safety) Regulations. The body to cover welded joint complies with ASME Section IX and BS/EN 288.

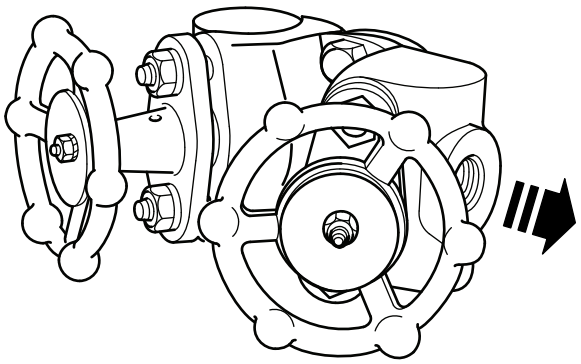
Certification

This product is available with certification to EN 10204 3.1.
Note: All certification/inspection requirements must be stated at the time of order placement.

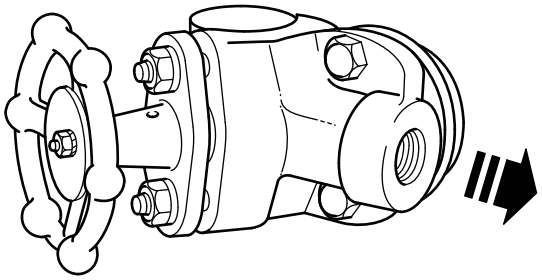
UBP32
fitted to PC10 connector



UBP32 fitted to PC4_ connector



UBP32 fitted to PC3_ connector

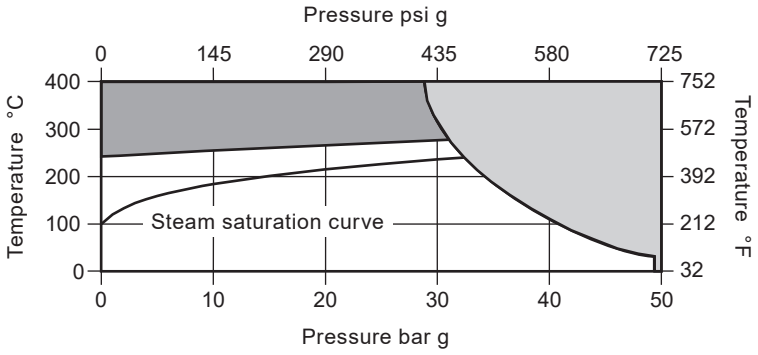


Pipeline connector options

The UBP32 can be fitted to a variety of pipeline connectors:

PC10	Straight connector	ANSI/ASME 300	(TI-P128-10)	See the relevant Technical Information sheet as listed opposite for details of connections available for each pipeline connector.
PC10HP	Straight connector	ANSI/ASME 600	(TI-P128-10)	
PC20	Connector with internal strainer	ANSI/ASME 300	(TI-P128-15)	
PC3_	Connector with one piston isolation valve	ANSI/ASME 600	(TI-P128-02)	
PC4_	Connector with one piston isolation valve	ANSI/ASME 600	(TI-P128-03)	

Pressure/temperature limits (ISO 6552)



The product **must not** be used in this region.

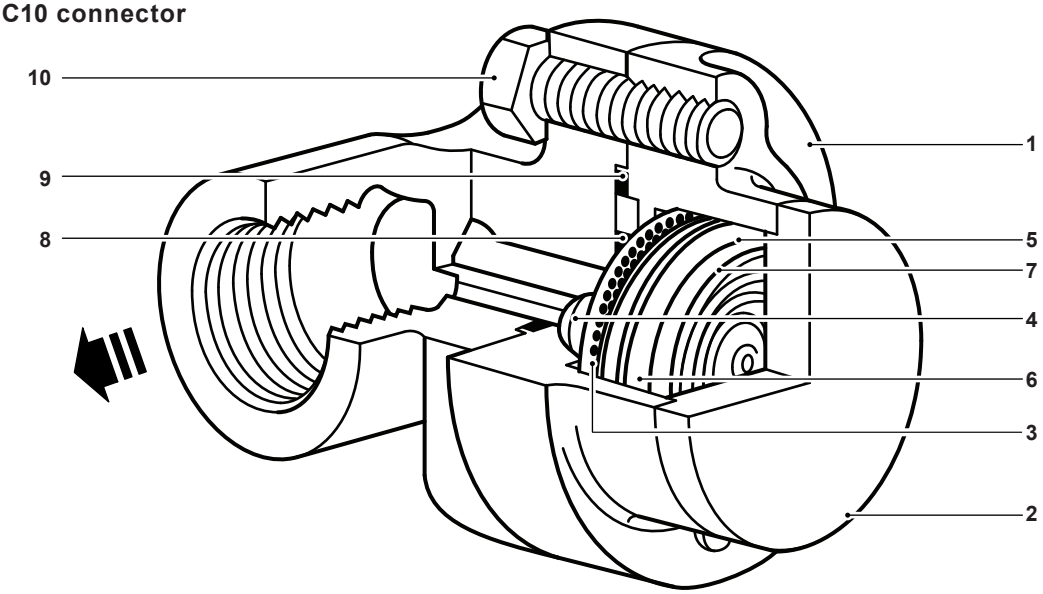
The product should not be used in this region or beyond its operating range as damage to the internals may occur.

Note: The model of pipeline connector and connection selected will dictate the maximum operating limits of the complete assembly. Reference the specific pipeline connector Technical Information sheet as detailed in 'Pipeline connector options'.

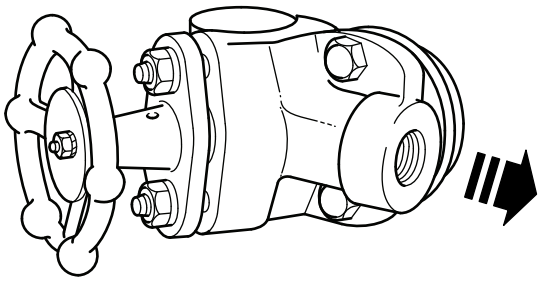
Body design conditions			ASME Class 300
PMA	Maximum allowable pressure	49.6 bar g @ 38 °C	720 psi g @ 100 °F
TMA	Maximum allowable temperature	400 °C @ 28 bar g	752 °F @ 406 psi g
Minimum allowable temperature		-48 °C	-54 °F
PMO	Maximum operating pressure for saturated steam service	32 bar g	464 psi g
TMO	Maximum operating temperature	286 °C @ 31 bar g	547 °F @ 450 psi g
Minimum operating temperature		0 °C	32 °F
Designed for a maximum cold hydraulic test pressure of:		75 bar g	1088 psi g

Materials

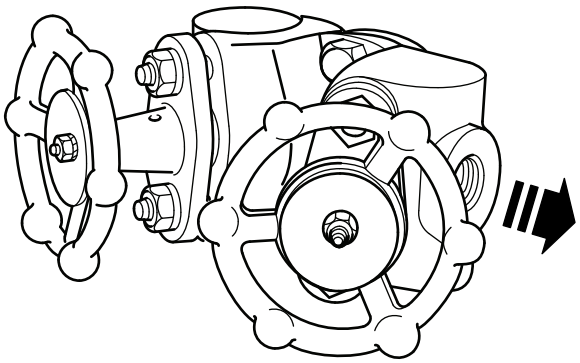
UBP32
fitted to PC10 connector



UBP32 fitted to PC3_ connector

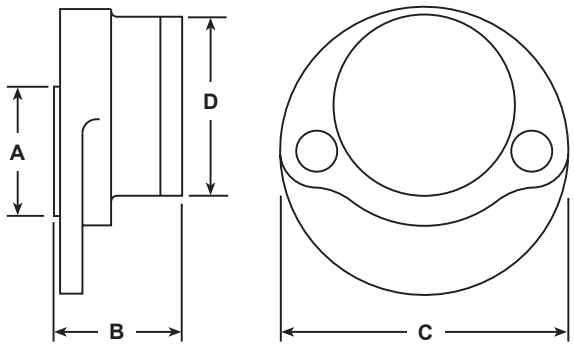


UBP32 fitted to PC4_ connector



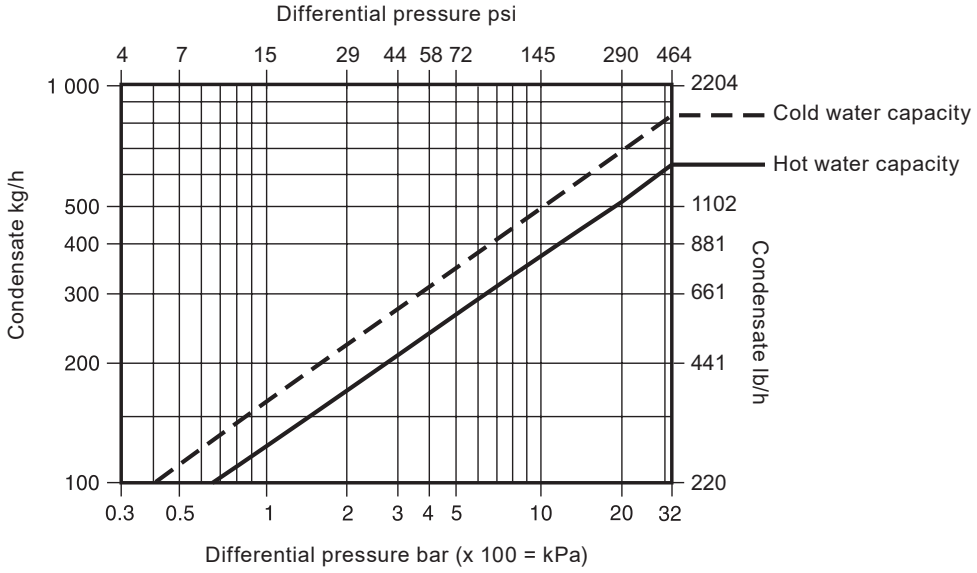
No.	Part	Material	
1	Body	Austenitic stainless steel (304 grade)	ASTM A351 Gr. CF8
2	Cover	Austenitic stainless steel (304 grade)	ASTM A276 Gr. 304
3	Screen	Stainless steel	ASTM A240 Gr. 304
4	Seat	Stainless steel	ASTM A276 Gr. 431
5	Capsule	Stainless steel	
6	Spacer plate	Stainless steel	ASTM A240 Gr. 304
7	Spring	Stainless steel	ASTM A313 Gr. 302
8	Inlet gasket	Graphite/AISI 316 strip	AISI 316 strip
9	Outlet gasket	Graphite/AISI 316 strip	AISI 316 strip
10	Connector screws	Steel	ASTM A193 B7

Dimensions/weights (approximate) in mm (inches) and kg (lbs)



A	B	C	D	Weight (trap unit only)
35 (1.4)	33 (1.3)	68 (2.7)	42.5 (1.7)	0.43 (0.9)

Capacities



How to specify

Steam traps shall be of the sealed balanced pressure thermostatic UBP32 type manufactured in stainless steel and be suitable for operating pressures up to 32 bar g. Traps to be zero maintenance and be connected to separate pipeline connectors by two screws to allow for quick and simple installation/replacement. The thermostatic capsule is to operate at 12 °C /22 °C /4 °C below steam temperature depending on the capsule selected. Traps can be installed in any plane.

How to order The UBP32 is supplied in two parts:-

1. The swivel pipeline connector	PC1_	Standard connection
	PC3_	One integral ISO valve
	PC4_	Two integral ISO valve

2. The UBP32 trap complete with inner and outer gaskets (securely crimped in place) and two connector screws. All items will be supplied in a protective box.

How to order example:

1 off Spirax Sarco DN20 PC10 swivel pipeline connector with socket weld connections.

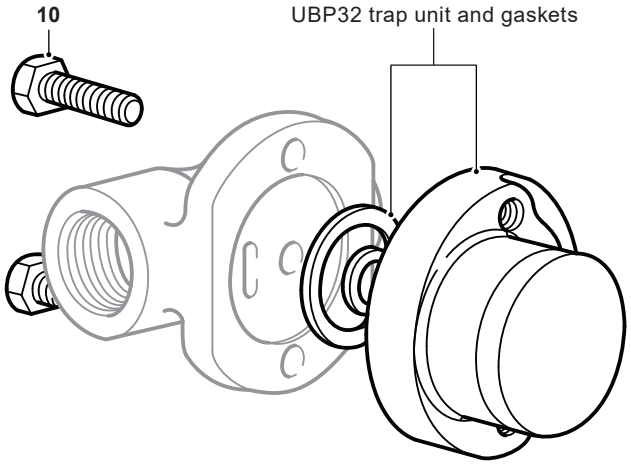
1 off Spirax Sarco UBP32 sealed balanced pressure thermostatic steam trap fitted with an STD capsule.

Safety information, installation and maintenance
For full details see the Installation and Maintenance Instructions (IM-P127-02) supplied with the product.

Installation note:
The UBP32 can be installed on any pipeline connector in any plane.

Disposal
This product is recyclable. No ecological hazard is anticipated with the disposal of this product providing due care is taken.

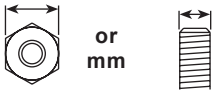
Spare parts
The UBP32 is a sealed non-maintainable trap unit. No internal spares are available.
The spares which are available are shown in solid outline. Parts shown in a grey line are not available as spares.



Available spares	
Connector screws	**10**
Complete UBP32 trap unit inclusive of gaskets and connector screws (**10**)	

How to order spares
Always order spare parts by using the description given in the column headed 'Available spares' and state the size, Model No. and pressure rating of the trap.
Example: 2 - Connector screws for a UBP32 sealed balanced pressure thermostatic steam trap.

Recommended tightening torques

Item	 or mm	N m	(ft lbf)
10	9/16"	30 - 35	(22 - 26)