



## TD259 and TD259A Thermodynamic Steam Traps

### Description

The TD259 is a maintainable thermodynamic steam trap for use on instrument tracing or any small bore steam heating installations. It can be provided with an anti-air-binding disc for quick start-up on batch process and is designated TD259A.

### Standards

The product fully complies with the requirements of the European Pressure Equipment Directive 97/23/EC.

### Certification

This product is available with a manufacturer's Typical Test Report.

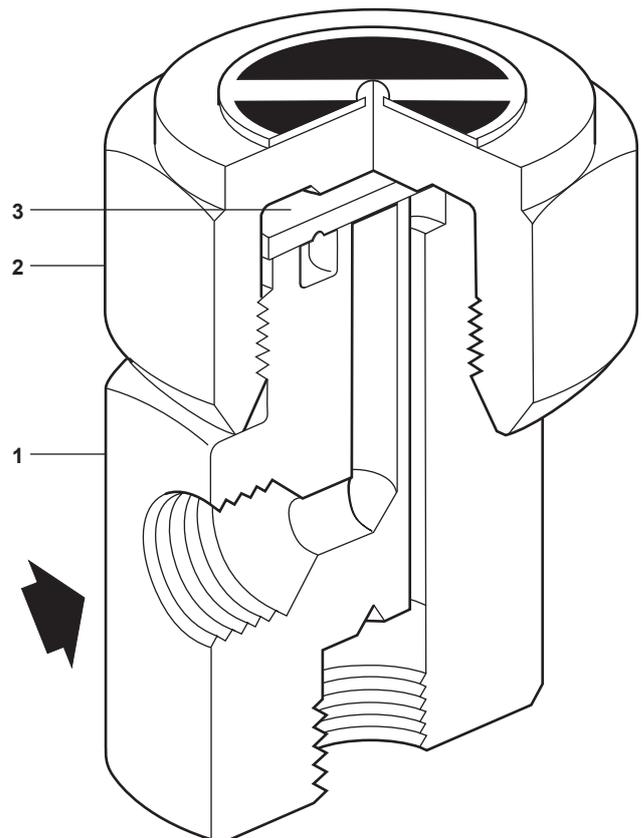
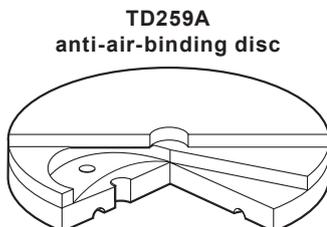
**Note:** All certification/inspection requirements must be stated at the time of order placement.

### Sizes and pipe connections

1/4" screwed BSP or NPT.

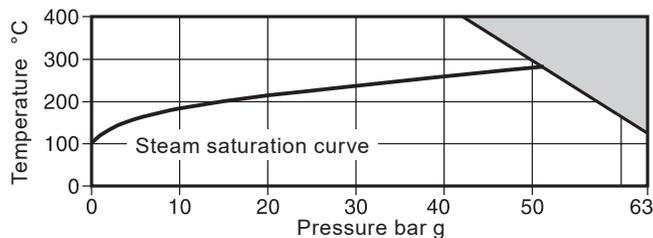
### Materials

No.	Part	Material	
1	Body	Stainless steel	AISI 420
2	Cap	Stainless steel	AISI 416
3	Disc	Stainless steel	BS 1449 420 S45

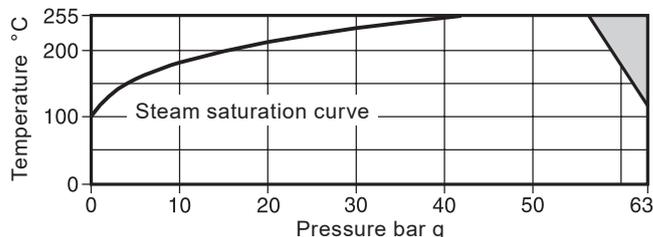


## Pressure/temperature limits

**TD259**



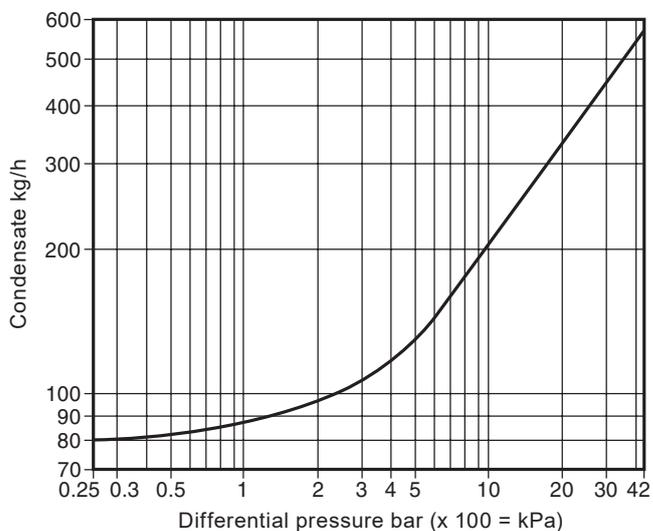
**TD259A**



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

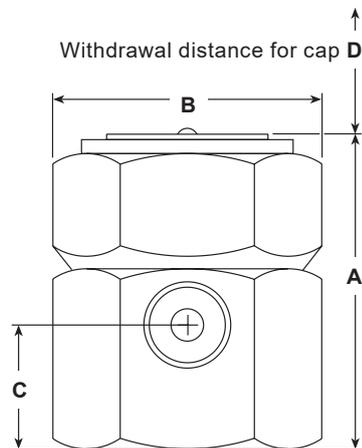
Body design conditions	PN63
PMA Maximum allowable pressure	63 bar g @ 120 °C
TMA Maximum allowable temperature	TD259 400 °C
	TD259A 255 °C
Minimum allowable temperature	0 °C
PMO Maximum operating pressure for saturated steam service	42 barg
TMO Maximum operating temperature	TD259 400 °C @ 42 bar g
	TD259A 255 °C @ 56 bar g
Minimum operating temperature	0 °C
<b>Note:</b> For lower operating temperatures consult Spirax Sarco.	
Minimum pressure for satisfactory operation is	0.25 bar g
PMOB Maximum operating backpressure must not exceed 80% of the upstream pressure	
ΔPMX Maximum differential pressure is limited to the PMO	
Designed for a maximum cold hydraulic test pressure of	95 bar g

## Capacities - Hot water



**Dimensions/weight** (approximate) in mm and kg

Size	A	B	C	D	Weight
1/4"	54.5	42	22	40	0.36



**Safety information, installation and maintenance**

For full details see the Installation and Maintenance Instructions (IM-P068-31) supplied with the product.

**Installation note:**

Preferably fitted in a horizontal pipe but can be fitted in other positions.

**How to order**

Example: 1 off Spirax Sarco 1/4" TD259A thermodynamic steam trap having screwed BSP connections.

**Spare parts**

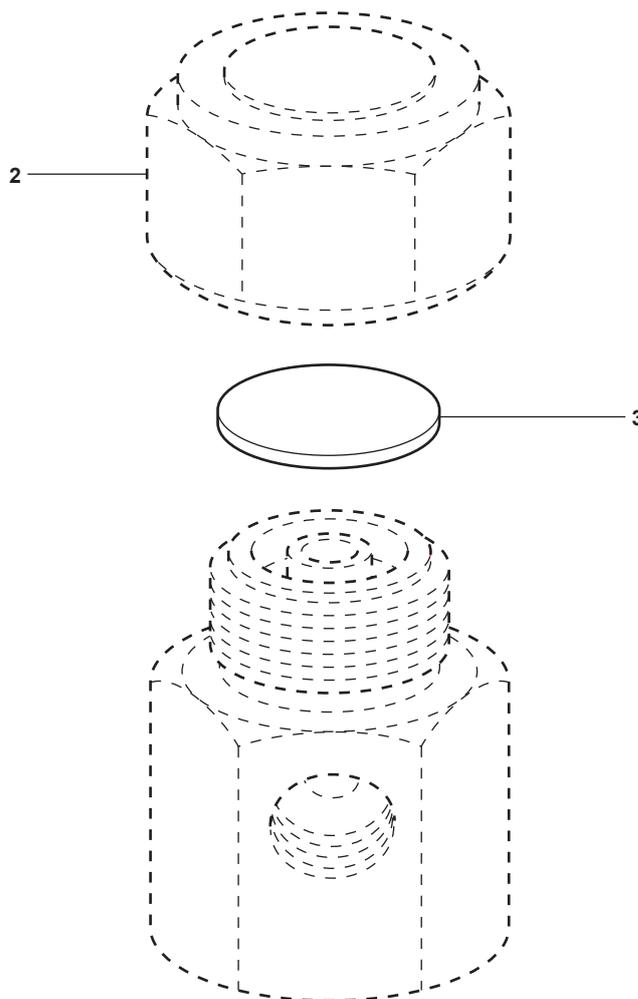
The spare parts available are shown in solid outline. Parts drawn in broken line are not supplied as spares.

Disc (packet of 3)	<b>3</b>
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**How to order spares**

Always order spares by using the description given in the column headed 'Available spares' and state the size and type of trap.

**Example:** 1 - Packet of discs for a 1/4" TD259 thermodynamic steam trap.



**Recommended tightening torques**

Item	Part	 or  mm	N m
2	Cap	36 A/F	135 - 150