SpenoMatic energy solutions

SKLT25S THERMODYNAMIC STEAM TRAP



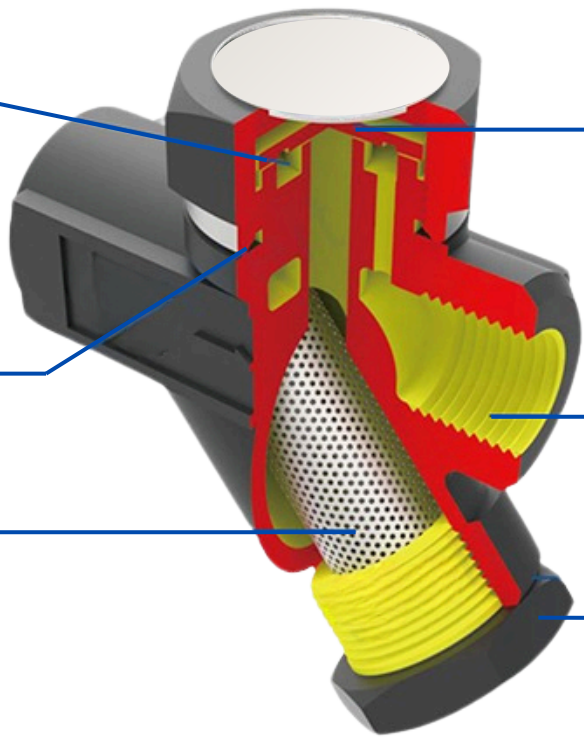
Designed and made as per GERMAN Standard

spenomaticenergysolutions.com

THERMODYNAMIC STEAM TRAP

3 condensate outlets evenly distributed on the valve seat. Long working life.





Hardened Stainless Steel Valve and disc

Precision Machining. Good Sealing

screwed socket weld or flange connection

Built In Stainless Steel Strainer Screen

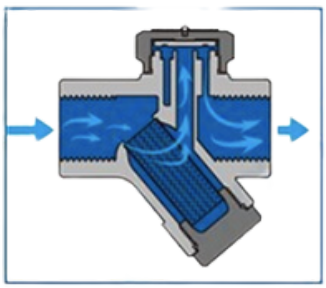
Precision casting to ensure quality of the valve body



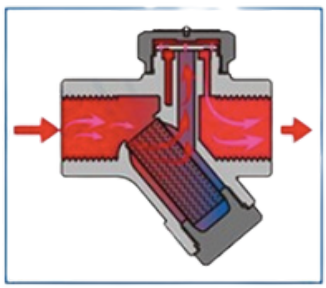
Features

- Self-contained filter to protect the trap.
- Can be installed in any orientation with low installation cost.
- Hardened stainless steel valve disc and seat - longer service life.
- Valve body is simple and robust, light weight, small and not easily damaged by freezing.
- Wide operating pressure range - no need to replace or resize valve as pressure changes.
- Has only one moving part in the trap (stainless steel valve disc) - almost maintenance-free.

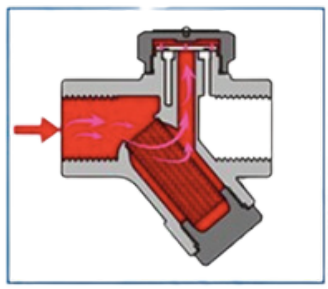
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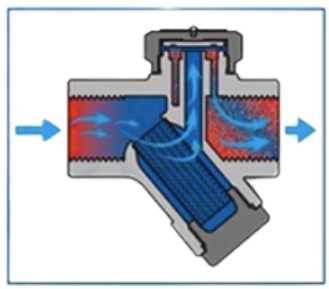
On start-up, under the inletpressure, the condensed water and air pass through the trap to move the valve disc up and are immediatel discharged from the outlet.



With the entry of high temperature, condensed water, flash steam is generated at this time, static pressure is pressurized, the dynamic pressure reduces and the valve disc is pulled towards the seat.



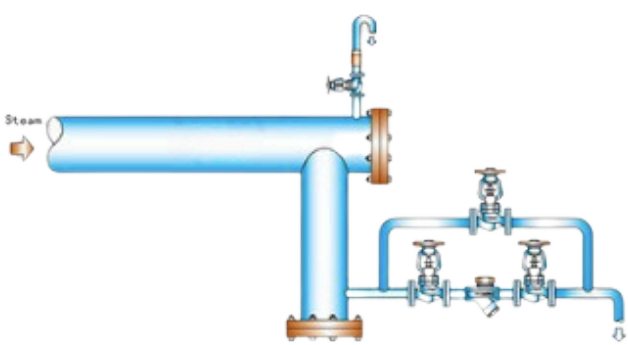
At the same time, the high temperature condensed water enters above the valve dic and flashes. Pressing the valve disc downward forcing it to close. This prevents steam from flowing out.

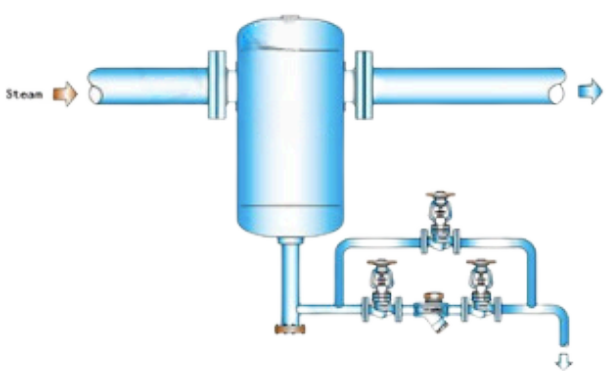


With the condensation of secondary steam and the increase of condensed water, the trap starts a new cycle.

Typical applications

Thermodynamic steam traps are widely used in steel, chemical, automobile, food and beverage, papermaking and many other industrial fields. It is used in steam main line, branch pipe, heat tracing line and small flow equipment for water draining.





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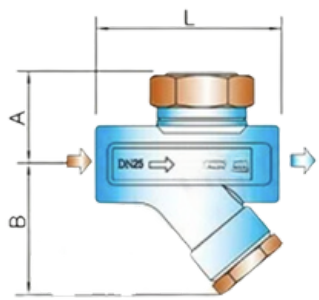
Operating Range

Model	SKLT25S
Max. operating pressure (PMO)	20bar
Max. operating temperature (TMO)	300 C
Max. allowable operating temperature (TMA)	300 C@20bar

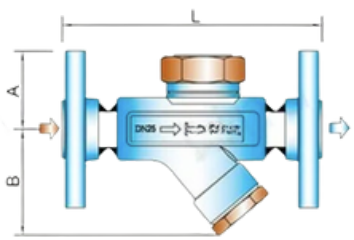
Size and connection

Model	SKLT25S
Size	DN15,DN20, DN25
Connection type	• Flanged (DIN,ASME), • Screwed (BSP,NPT)

Approximate dimensions / weights (mm/kg)



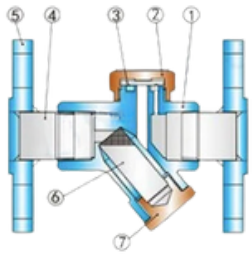
SKLT25S Thermodynamic Steam Trap					
Size	**Connection Type**	**A**	**B**	**L**	**Weight**
1/2	Screwed	40	65	80	0.9
3/4	Screwed	45	65	90	1.1
1	Screwed	46	65	95	1.3



SKLT25S Thermodynamic Steam Trap					
Size(DN)	**Connection Type**	**A**	**B**	**L**	**Weight**
15	Flanged	48	65	152	2.2
20	Flanged	53	65	166	2.6
25	Flanged	58	65	170	3.6

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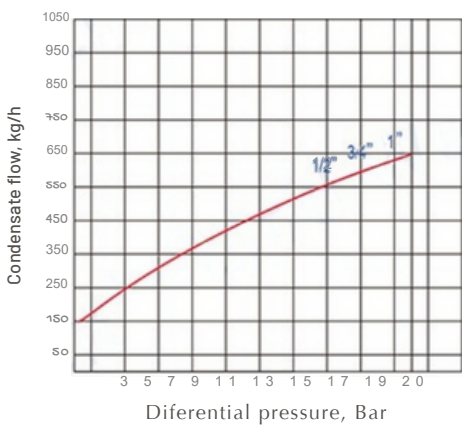
Materials



Number	Part	Quantity	Material
1	Body	1	Stainless Steel
2	Cover	1	Stainless Steel
3	Valve Disc	1	Stainless Steel
4	Welded Pipe	2	Stainless Steel
5	Flange	2	Stainless Steel
6	Strainer Screen	1	Stainless Steel
7	Plug	1	Stainless Steel

Selection Table

Capacity charts for SKLT25S Thermodynamic Steam Trap



Please ask usfor special diameters and condensate flows.

Please provide the following information when ordering:

1, Operating pressure / back pressure'
2, Operating temperature
3, Flow
4, Connection type
5, Size

Contact Us



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