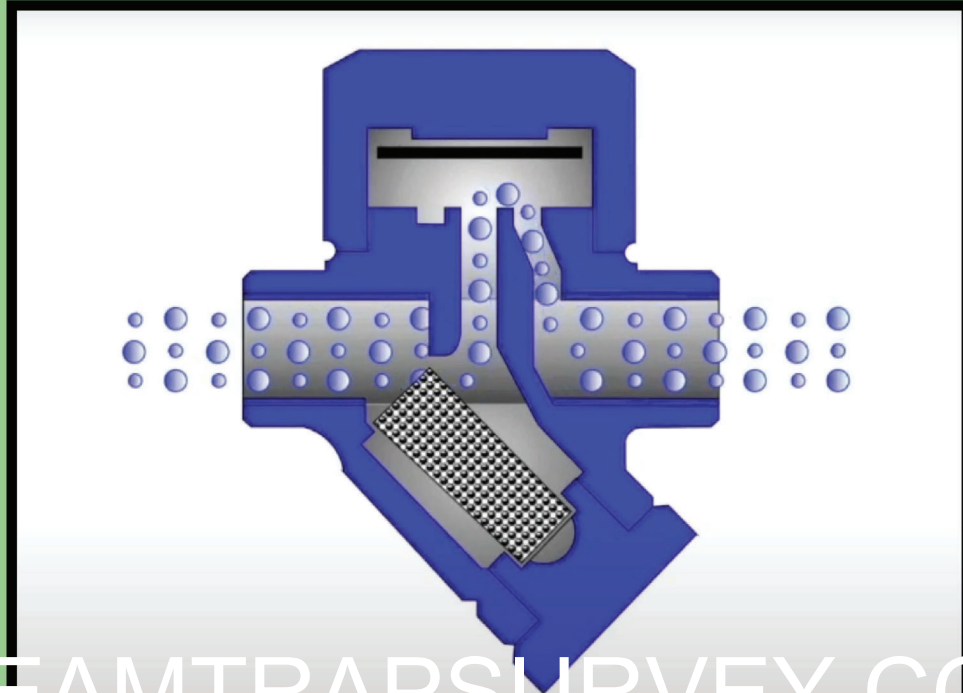
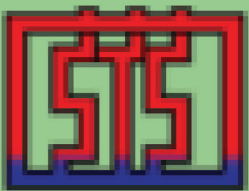


THERMODYNAMIC



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Condensate and air
flow freely through
this trap.

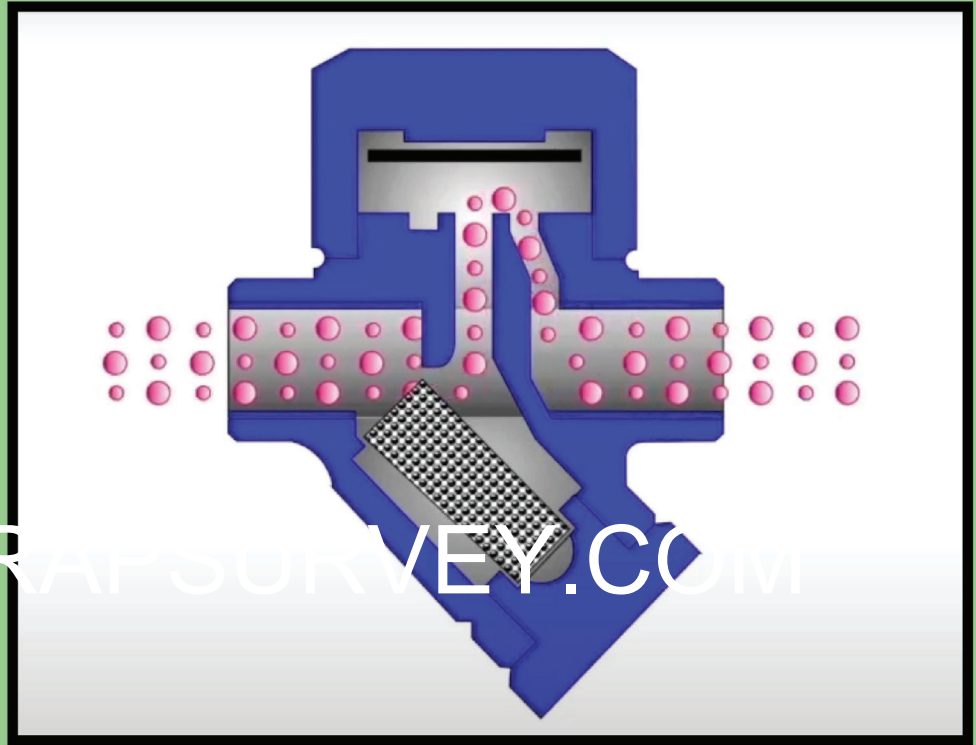


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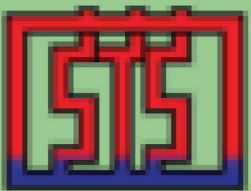
THERMODYNAMIC

When
steam
reaches
the trap,
velocity



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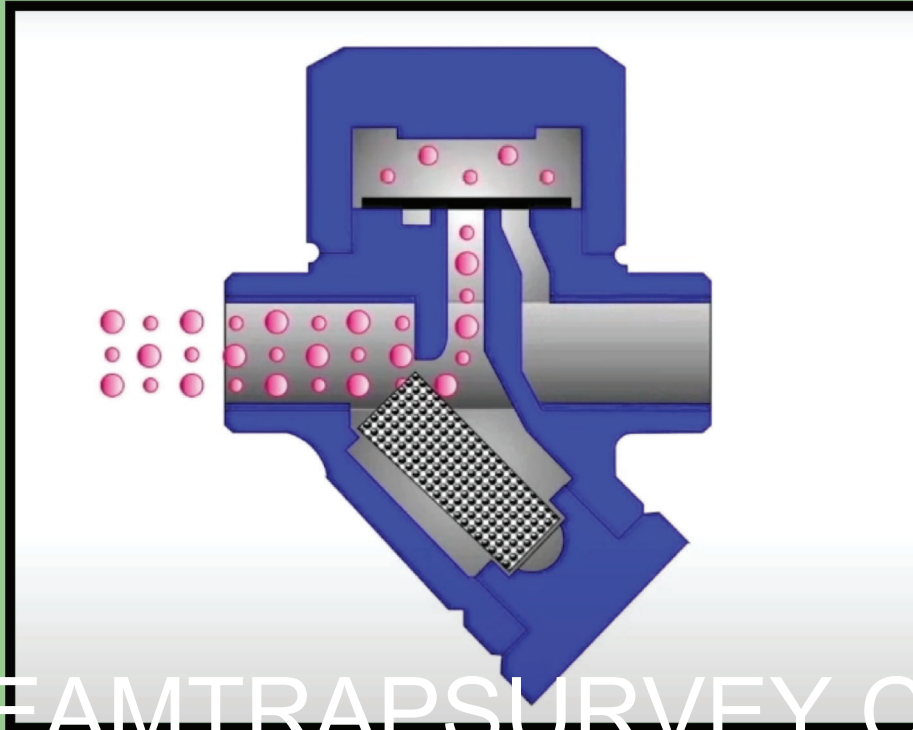
under the disc instantly
increases.



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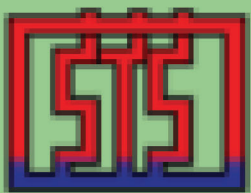
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Recompression above the disc then forces it against the valve seat, providing a tight shut off.



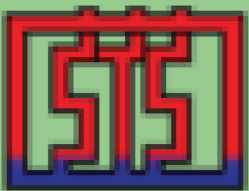
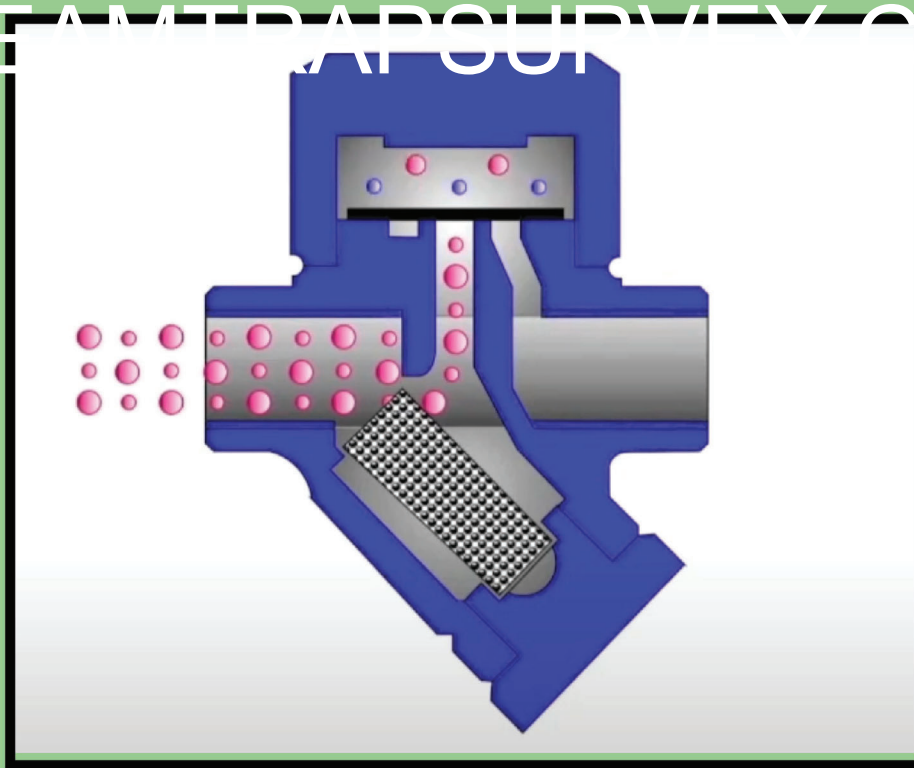
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Heat loss from the small control chamber under the cap, which is filled with steam/condensate mixture, causes chamber pressure to decrease.

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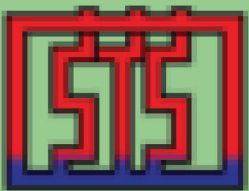
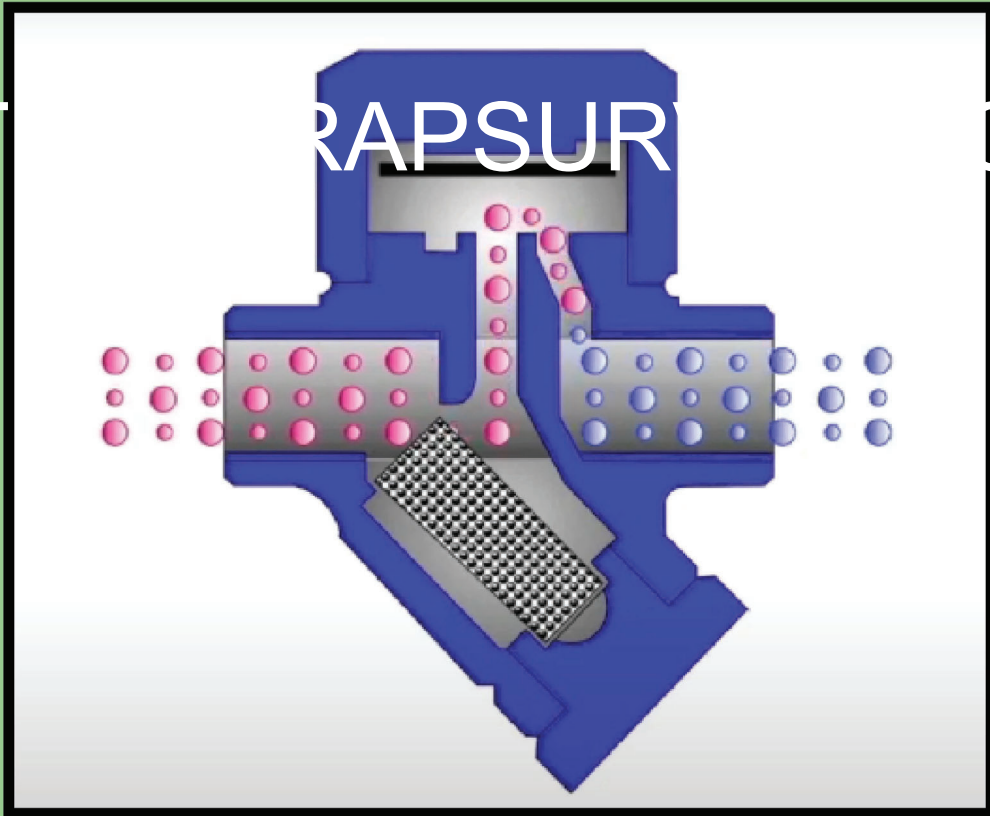
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The valve disc reopens
due to the inlet steam
pressure.

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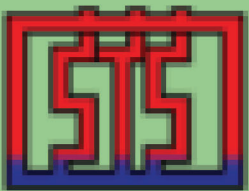
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This picture shows the violent operation, trap open, of a thermodynamic

steam trap. After the condensate escapes, steam is required to flow past and through this type of steam trap for it to close.



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