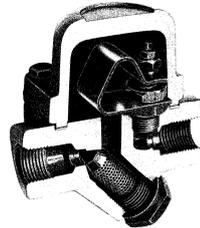


Best Engineering (Service Division) Ltd

Steam Traps

Steam traps automatically remove condensate from steam systems on a regular basis. This operation is essential to maintain the efficiency and safety of the steam system. The traps must be correctly fitted and operating correctly to achieve effective condensate removal.



We supply the full range of steam traps from all leading manufacturers for use throughout your steam system. This scope of supply also includes spares and repair kits, and associated equipment such as valves and strainers.

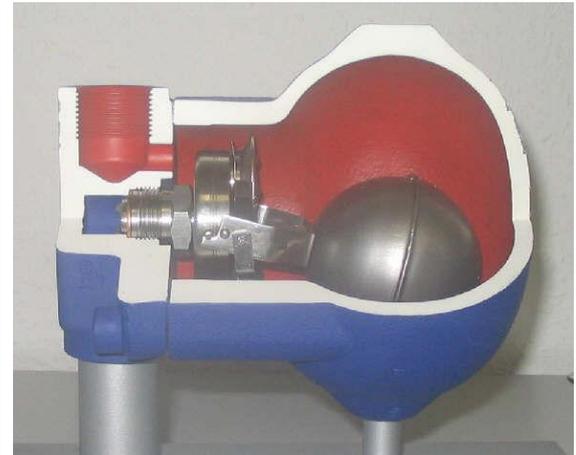
Failed or incorrectly operating steam traps can cause process problems and or pose safety risks. Traps can fail open or closed.

If a trap fails closed, or becomes blocked, the possible consequences are:

- Waterlogging – which reduces plant output and increases the potential for waterhammer.
- Exposed pipes could be damaged if freezing occurs.
- Airlocking on the system when the trap should be venting air.

If a trap fails open, the steam will blow through the trap, the consequences of this are:

- Financial loss of the wasted steam
- Possible pressurisation of the condensate return, leading to waterhammer and poor performance of other steam traps.



Financial Considerations

Failure to remove condensate can result in wet steam which reduces heat transfer and causes corrosion. In addition to this the trap may be passing live steam back to the hotwell tank. Not only is this wasting the steam but is also damaging the hotwell tank and fittings. This can lead to a knock on effect and damage the equipment that the water subsequently passes through.

We also supply other types of pipeline equipment such as:

- | | |
|---|--|
| <ul style="list-style-type: none">➤ Couplings➤ Fittings➤ Filters➤ Gauges | <ul style="list-style-type: none">➤ Lagging➤ Sight glasses➤ Strainers➤ Valves |
|---|--|

Safety Considerations

Poor draining of condensate can produce slugs of water that can be carried along the pipe at high velocity. When the water meets a bend, valve or obstacle it impacts on it causing damage. This is known as waterhammer. This not only causes damage but could also cause injury or even death.

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