TDC46M, TDS46M and UTDS46M

Thermodynamic steam traps with maintainable seat

Insulation cap as standard
Minimises heat loss

Automatic air vent as standard
Vents air quickly during start-up and reduces warm-up time

Hardened and lapped seat and disc
Reduced wear and longer service life

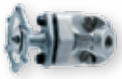
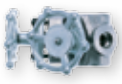
Replaceable seat and disc
Trap can be serviced, minimising cost of ownership

Minimal operational steam loss
Low energy consumption

Specifically designed and tested for pressures up to 46 bar g
Increased life of trap and maximises energy efficiency

Integral stainless steel 100 mesh strainer screen
Protects internals and increases life of trap

More reliable, longer life, gaining higher energy efficiency than ever before

Model	Body material	Minimum allowable temperature	Maximum allowable temperature	Maximum operating pressure for steam	Pipeline Connections	Connection size	Option
TDC46M 	Carbon material	- 29°C (-20.2°F)	425°C (800°F)	46 bar g (667 psi g)	Screwed BSP or NPT and Socket weld Flanged: PN40 PN100 ASME Class 150 ASME Class 300 ASME Class 600	½" (DN15) ¾" (DN20) 1" (DN25	Blowdown valve for strainer screen
TDS46M 	Stainless steel	- 50°C (-58°F)	450°C (-842°F)				
UTDS46M 	Stainless steel	- 48°C (-54°F)	425°C (-800°F)	46 bar g (667 psi g) Note: The maximum operating temperature of the UTDS46M will be dictated by the pipeline connection (PC) that is chosen for your application.	PC10: 	PC10: ½" (DN15) ¾" (DN20) 1" (DN25)	Blowdown valve for strainer screen
					PC3_: 	PC3_ and PC4_: ½" (DN15) ¾" (DN20)	
					PC4_: 		

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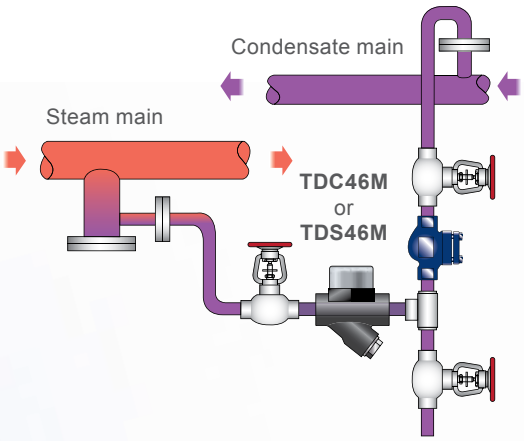
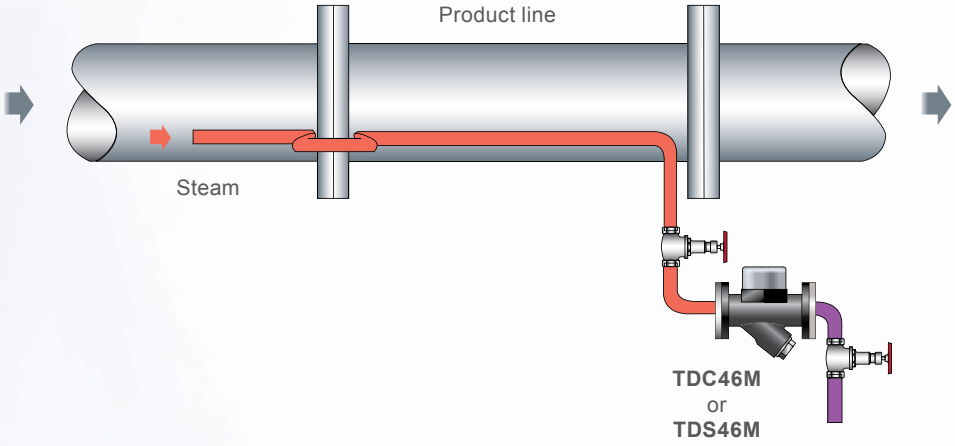
Typical applications



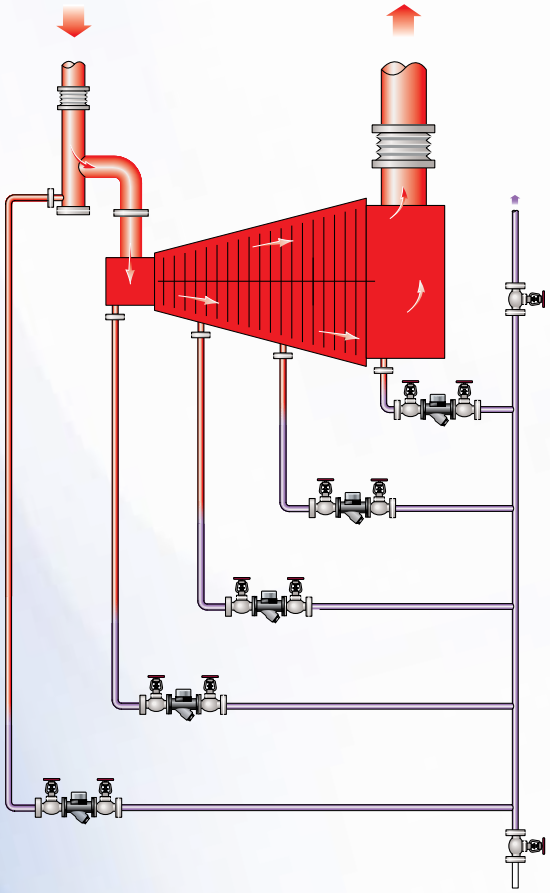
Condensate removal from steam mains

TDC46M or **TDS46M** thermodynamic steam traps are the obvious choice for steam mains drainage up to 46 bar g due to their simplicity, long life and robust construction. They remove condensate from the system as it is formed, eliminating the potential danger of waterhammer within the system.



Steam tracing

When the product temperature needs to be maintained within a narrow band to prevent solidification of the product in the pipeline or product spoilage, the **TDC46M** or **TDS46M** thermodynamic steam traps are normally used to discharge condensate as it is formed.



Turbine drainage

The **TDC46M** and **TDS46M** thermodynamic steam traps are the ideal choice for steam turbines. The traps provide efficient and rapid removal of condensate under start-up and operating conditions, preventing possible blade damage in the turbine casing or erosion of the turbine blades or corrosion of the casing.

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