

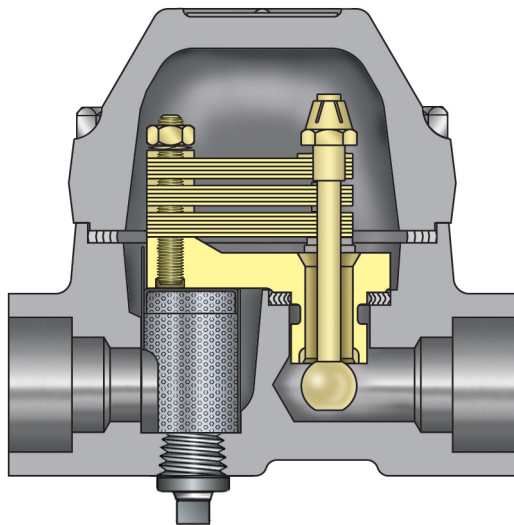
VELAN Universal Bimetallic Steam Traps

Industry Proven for over 50 Years

Velan is one of the world's largest manufacturers of industrial steel valves, internationally recognized as a leader in quality and innovation. Since 1950, Velan has designed and manufactured valves for low emissions, easy maintenance and long, reliable service life. Today, Velan gate, globe, check, ball, butterfly and engineered severe service valves are installed throughout the world, delivering high performance in a diverse range of industrial applications.

Our comprehensive range of steam traps was developed and patented in 1956 by A.K. Velan, Founder and CEO of Velan Inc. Velan's high quality bimetallic steam trap design provides market-leading performance for high pressure steam trapping on superheated steam lines in thermal power plants and aboard ships – over 1,100 US Navy ships have used Velan steam traps.

Velan Type TS Steam Trap



For Low to Medium Pressure Drip Leg and Tracing Applications in the Petrochemical, Pulp and Paper and Institutional Markets



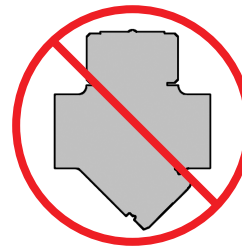
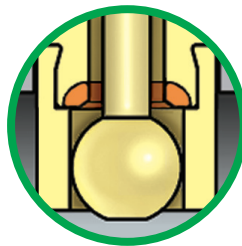
Velan Type TS Steam Trap Applications

- Low Pressure Drains
- Medium Pressure Drains
- Tracing Drains

Unique Features

Velan Stellited Seats

Velan is the **only** steam trap manufacturer in the world to use Stellite in their valve seats.



No Live Steam Wasted

Unlike thermodynamic or impulse traps, Velan's unique bimetallic design doesn't waste live steam.

Complete Universality

You need **19** types of inverted bucket traps to cover the ranges of this **1** Velan Steam Trap for 0-250 psi and 2000 lb/hr capacity.



Lower Back Pressures

Because the Velan design discharges condensate at a temperature a few degrees below saturated temperature, the back pressures in the condensate return system will be significantly lower.

To find your nearest Velan Steam Trap distributor, please email: sales@velansteamtraps.com or call 1-800-860-0233

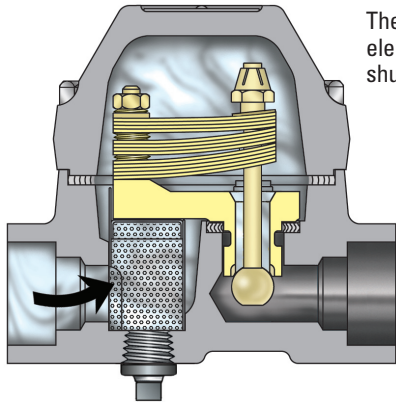
To learn more about Velan steam traps, visit us at www.velansteamtraps.com

TECHNICAL DATA • PRINCIPLE OF OPERATION

A single free floating Ball Valve

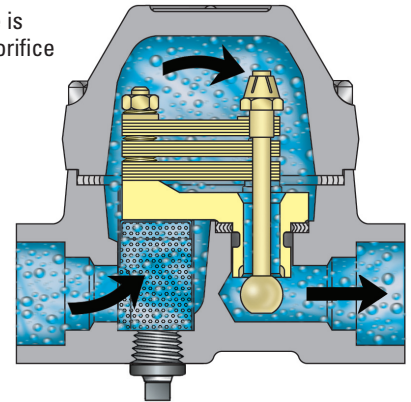
1) Vents Air 2) Discharges Condensate 3) Traps Steam 4) Acts as Check Valve

STEAM TRAPPING



The patented bimetal element deflects and shuts off seat tight.

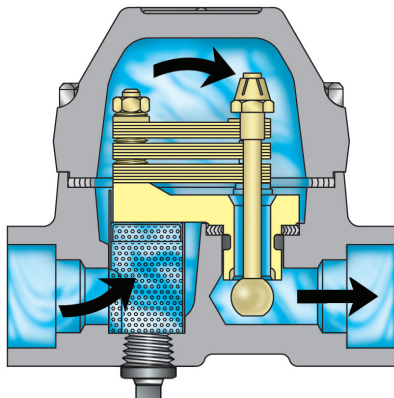
AIR VENTING



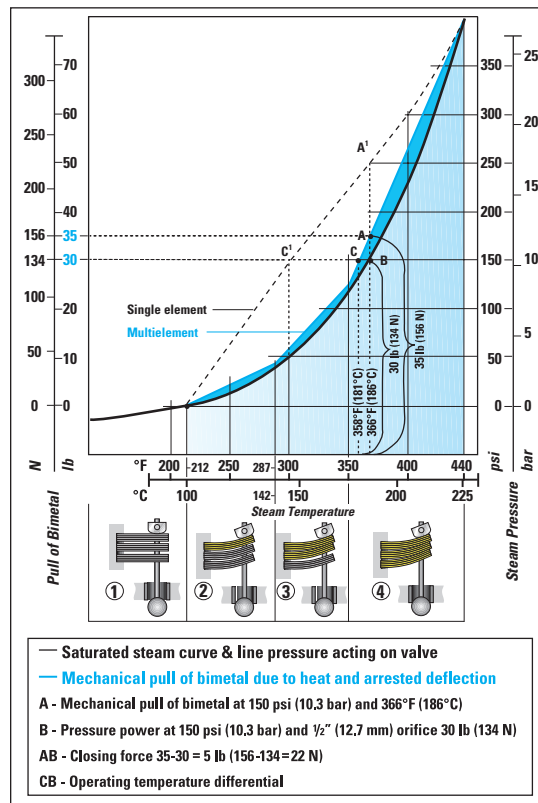
Air and cold condensate is discharged through full orifice efficiently ensuring fast warm-up of equipment.

CONDENSATE DISCHARGE

Water at temperature below saturation relaxes the element and line pressure overcomes thermal force opening the valve for discharge.



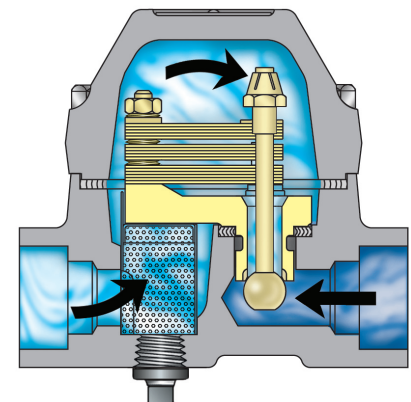
PATENTED BIMETAL PRINCIPLE



Staged Bimetal develops forces parallel to curve.

CHECK VALVE ACTION

Downstream valve shuts off the seat and prevents backflow.



THE ORIGINAL BIMETALLIC STEAM TRAP EXCLUSIVE FEATURES

- One type for 0-250 psi up to 2000 lb/hr capacity
- Easy plant standardization
- Can discharge below saturation temperature using up sensible heat
- Save up to 30% on energy
- Is absolutely steam tight
- Works in all positions
- Large air capacity through main valve
- Long life, stellite seat
- Self-aligning 440c stainless steel (RC60) precision ball valve
- Main valve acts as check valve
- Guaranteed against waterhammer
- Opens and closes quickly
- Factory adjusted for discharge at 20°F below saturation
- Can be adjusted for lower discharge temperature
- Small in size and weight

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