

Newton Systems



STEAM TRAP SERIES

Bimetallic steam trap
station SHT21TVS

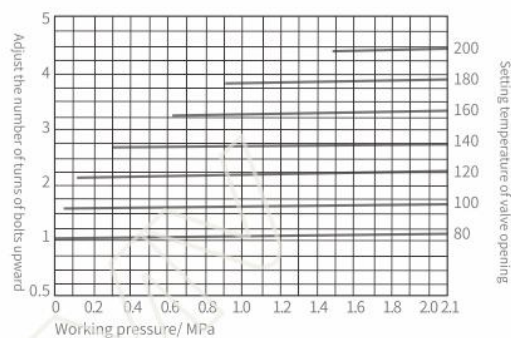
Thermostatic (Bimetallic) steam trap

SHT21TVS Bimetallic steam trap station

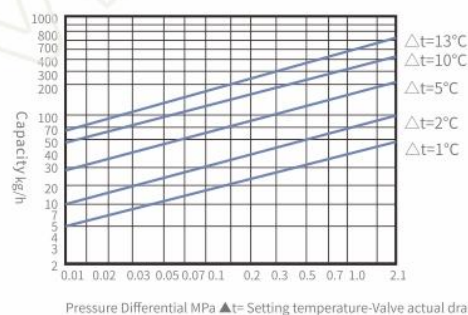


Technical Parameter

Nominal pressure	PN40/Class300
Max allowable pressure(Shell)	4.13MPa/200°C
Max allowable temperature(Shell)	450°C/3.05MPa
Max. operating pressure	2.1MPa
Max operating temperature	350°C
Factory cold test pressure	6.0MPa
Air test	2.0MPa



SHT21TVS Capacity Curve



Working Principle

- The working principle of the bimetallic trap is to rely on the Different temperature between saturated steam and condensed water
- When the set temperature is reached, the condensate is continuously drained Features

Features

The thermostatic (bimetallic) steam trap station is a TVS station composed of stainless steel bimetallic steam traps and front and rear stainless steel valves, filters and inspection valves; the steam traps and TVS stations are made of stainless steel; Adjustable temperature bimetallic sheet makes full use of the sensible heat of high temperature condensate; It is easy to replace, and there is no need to install stop valves, filters and inspection valves at the front and rear ends of the trap; the back pressure rate is as high as 50%.

Technical Standard

- GB/T12250-2005 Steam Trap Terminology Marking Structure Length
 - GB/T22654-2008 Technical Conditions for Steam Trap
 - GB/T12251-2005 Test Methods for Steam Trap
 - ISO 6948 Automatic steam traps
- Production and performance characteristic tests

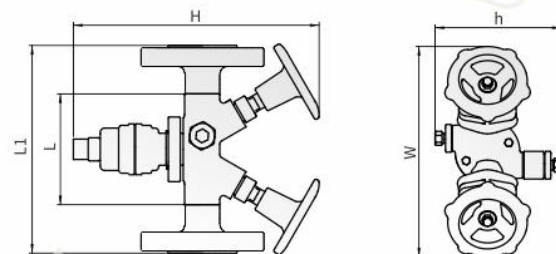
Material

Trap: F304

Trim: 304/420

TVS station: CF8

Structure Diagram



Structural Dimension Table

Model	Size	L	L1	L2	W	H	H1
SHT21TVS	DN15-25	120	210	230	230	265	136

unit (mm)



VMV Newton Systems®

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