

Newton Systems



STEAM TRAP SERIES

Thermostatic(Bimetallic)
Steam Trap SHT32

Thermostatic(Bimetallic)Steam Trap

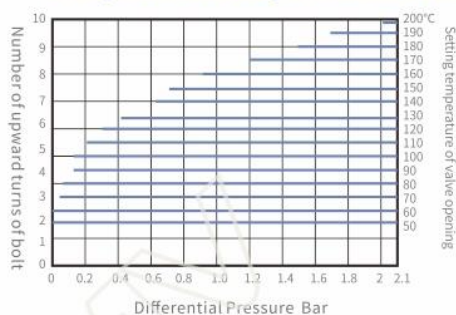
Thermostatic(Bimetallic)Steam Trap **SHT32**



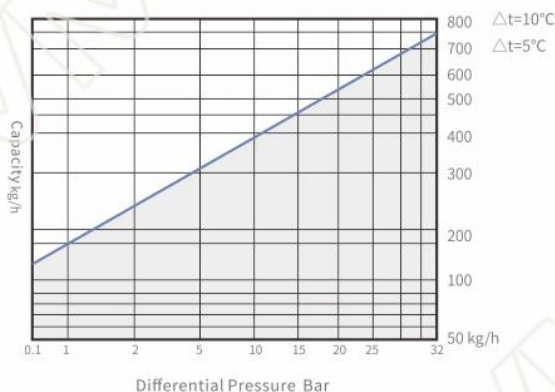
Technical Parameter

Nominal pressure	PN40
Max. allowable pressure(Shell)	4.8MPa/300°C
Max. allowable temperature(Shell)	427°C/3.2MPa
Factory steam action test	>3次/1.6MPa
Max. operating pressure	3.2MPa
Max. operating temperature	350°C
Factory cold test pressure	9.5MPa
Air test	2.0MPa

Temperature Adjustment Table



SHT32 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 condensed water is continuously removed.

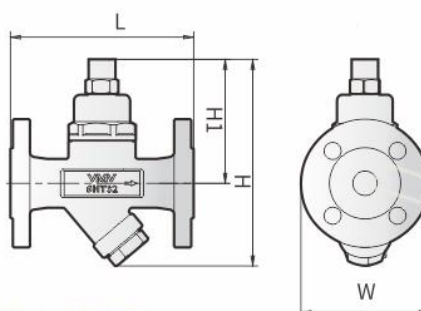
Features

- The valve body and valve bonnet are all made of forged steel A105.
- The valve disc and valve seat are made of special stainless steel with heat treatment. The disc hardness is as high as HRC55, which improves the service life of the trap.
- Imported bimetallic ensure precise temperature control.
- The closing system adopts high-precision wire sealing structure.
- Built-in filter makes the trap work in a clean environment.
- The back pressure rate is as high as 50% or more.

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 trap
- Production and performance characteristic tests

Structure Diagram



Material List

Bonnet: A105/F304/F316

Body: A105/F304/F316

Seat: 420

Disc: 440C+304

Other internal parts: 304

Structural Dimension Table

unit (mm)						
Model	Size	L	H	H1	W	Weight
SHT32T	DN15-25	90	168	100	55	1.8 Kg
SHT32W	DN15-25	90	168	100	55	1.8 Kg
SHT32F	DN15-25	150	168	100	115	4 Kg



VMV Newton Systems®

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