

Newton Systems



STEAM TRAP SERIES

Thermostatic(Bimetallic)
Steam Trap SHT21

Thermostatic(Bimetallic)Steam Trap

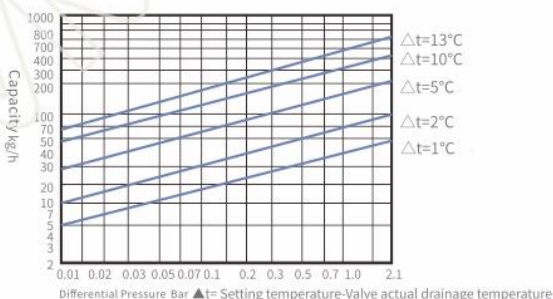
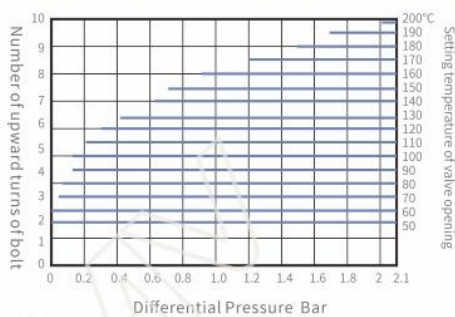
SHT21 Thermostatic(Bimetallic)Steam Trap



Technical Parameter

Nominal pressure	PN25
Max. allowable pressure(Shell)	2.45MPa/200°C
Max. allowable temperature(Shell)	450°C/1.03MPa
Factory steam action test	>3 times/1.6MPa
Max. operating pressure	2.1MPa
Max. operating temperature	350°C
Factory cold test pressure	3.8MPa
Air test	2.0MPa

Temperature Adjustment Table



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.

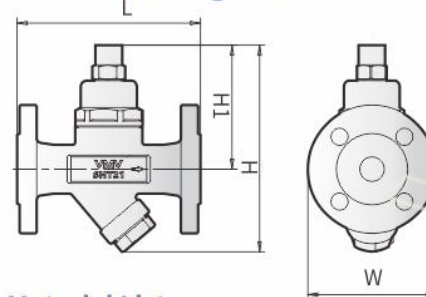
Features

- 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 **Disc:** 440C+304
Body: A105/F304/F316 **Other internal parts:** 304
Seat: 420

Structural Dimension Table

Model	Size	unit (mm)				Weight
		L	H	H1	W	
SHT21T	DN15-25	90	168	100	55	1.8 Kg
SHT21W	DN15-25	90	168	100	55	1.8 Kg
SHT21F	DN15-25	150	168	100	115	4 Kg



VMV Newton Systems®

ZHEJIANG NEWTON FLUID CONTROL CO.,LTD.

Headquarters (Wenzhou)

Zhiyi road, Lingxia industrial zone, Wuniu, Wenzhou,
Zhejiang, China.

Tel: 86-577-67978269

Fax: 86-577-67376711

E-mail: vmv@vmv-valve.com

Shanghai R&D Center

Jiading District, Shanghai
Building 12A, Chengbei Road
Tel: 86-18057752663

E-mail: vmv8@vmv-valve.com



www.vmvvalve.com



Scan More Wonderful