

Newton Systems



STEAM TRAP SERIES

Thermostatic(Bimetallic)Steam
Trap SHT1

Thermostatic(Bimetallic)Steam Trap

Thermostatic(Bimetallic)Steam Trap **SHT1**



Technical Parameter

Nominal pressure	PN25
Max. allowable pressure(Shell)	1.6MPa /250°C
Max. allowable temperature(Shell)	350°C/1.46MPa
Factory steam action test	>3 times/1.6MPa
Max. operating pressure	1.6MPa
Max. operating temperature	350°C
Factory cold test pressure	3.8MPa
Air test	2.0MPa

Material List

Bonnet: 420	Disc: 440C+304
Body: 420	Other internal parts: 304
Seat: 420	

Working Principle

- The working principle of the bimetallic trap is to rely on the different temperature between saturated steam and condense water.
- When the set temperature is reached, the condensed water is continuously removed.

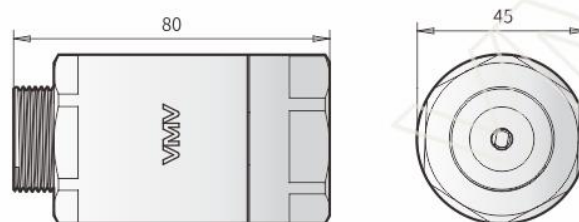
Features

- 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.

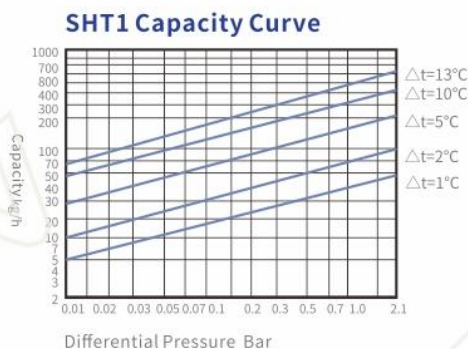
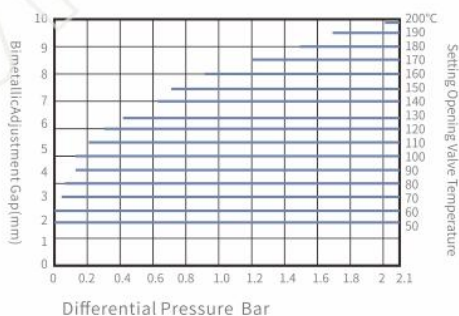
Technical Standard

- GB/T12250-2005 Steam Traps 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



Connection Type:RC3/4" 1/2" 3/8"





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