

Newton Systems



STEAM TRAP SERIES

Inverted Bucket Steam Trap
Station SBT11TVS

Inverted Bucket Steam Trap

Inverted Bucket Steam Trap Station **SBT11TVS**



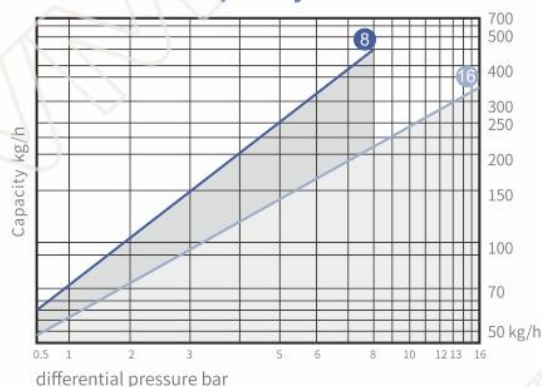
Technical Parameter

Nominal pressure	PN25
Max. allowable pressure (Shell)	1.89Mpa/50°C
Max. allowable temperature (Shell)	350°C/1.62MPa
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	0.6MPa

Material List

Bonnet : F304/F316	Disc: 440C+304
Body : F304/F316	Other internal parts: 304
Seat : 420	

SBT11TVS Capacity Curve



Working Principle

- Based on the differential density of steam and liquid.

Features

- The valve body and valve cover are all made of stainless steel.
- All internal parts are made of stainless steel, and the wear allowance has been fully considered in the design of moving parts, which improves the service life of the steam trap.
- Internally installed U-shaped stainless steel pipe flow channel design to achieve water sealing effect.
- Reliable flexible closure system with patented technology, no steam leakage.
- External filter connector, so that the steam trap works in a clean environment.
- The back pressure rate is as high as 90% or more.

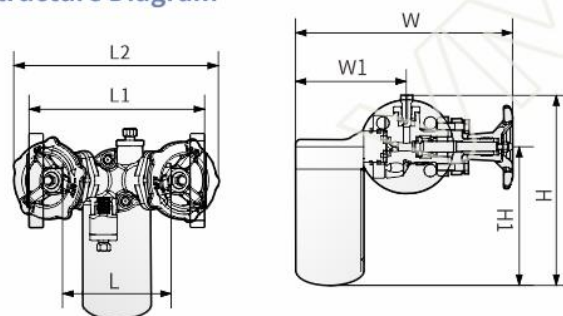
Technical Standard

- 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

Flow Chart



Structure Diagram



Structural Dimension Table

		Unit(mm)							
Model	Size	L	L1	L2	W	W1	H	H1	
SBT11TVS	DN15-25	120	180	230	246	120	215	155	

Weight

SBT11TVS: 5.4Kg
SBT11TVSF: 7.6Kg



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