

Newton Systems



STEAM TRAP SERIES

Pilot Inverted Bucket Steam
Trap SBT40

Pilot Inverted Bucket Steam Trap

SBT40 Pilot Inverted Bucket Steam Trap



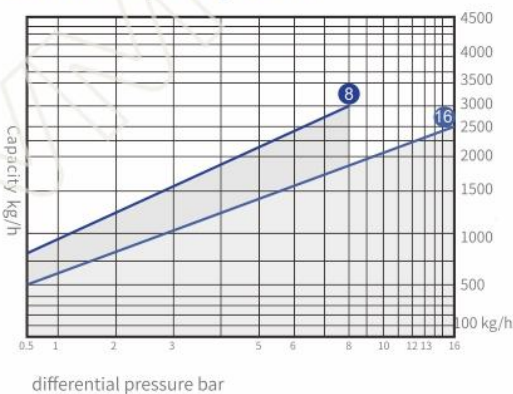
Technical Parameter

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	1.6MPa
Max. operating temperature	350°C
Factory cold test pressure	3.8MPa
Air test	2.0MPa

Material List

Bonnet : WCB/CF8/CF8M Disc: 440C+304
 Body : WCB/CF8/CF8M Other internal parts: 304
 Seat : 420

SBT40 Capacity Curve



Working Principle

- Based on the differential density of steam and liquid.
- the main valve is guided to open through the pilot valve, and the capacity is large.

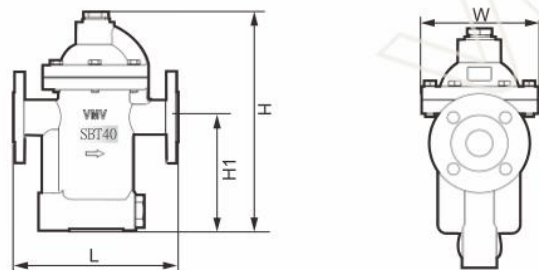
Features

- The valve body and valve cover are all made of forged steel/cast steel.
- Internal parts are all made of stainless steel and added with anti-wear allowance, extend trap life.
- U-shaped flow channel design, to achieve water sealing effect, no leakage of steam.
- Reliable flexible closure system with patented technology, no steam leakage.
- Install anti-water hammer device.
- Built-in check valve, suitable for superheated steam environment.
- Built-in filter allows the steam trap to work in a clean environment.
- Select different capacity curves according to the pressure difference to increase the capacity
- The back pressure rate is as high as 90% or more.
- After the steam is stopped, the condensed water can be removed by opening the screw plug to prevent damage to the steam trap due to low temperature freezing.

Technical Standard

- GB/T 12250-2005 Steam Trap Terminology Marking Structure Length
 - GB/T 22654-2008 Technical Conditions for Steam Trap
 - GB/T 12251-2005 Test Methods for Steam Trap
 - ISO 6948 Automatic steam trap
- Production and performance characteristic tests

Structure Diagram



Dimension Table

		Unit(mm)				
Model	Size	L	H	H1	W	Weight
SBT40T	DN25-32	210	360	187	174	16.5Kg
SBT40W	DN25-32	210	360	187	174	16.5Kg
SBT40F	DN25-50	270	360	187	174	21Kg



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