

Newton Systems



STEAM TRAP SERIES

Pilot Inverted Bucket Steam
Trap SBT60

Pilot Inverted Bucket Steam Trap

SBT60 Pilot Inverted Bucket Steam Trap



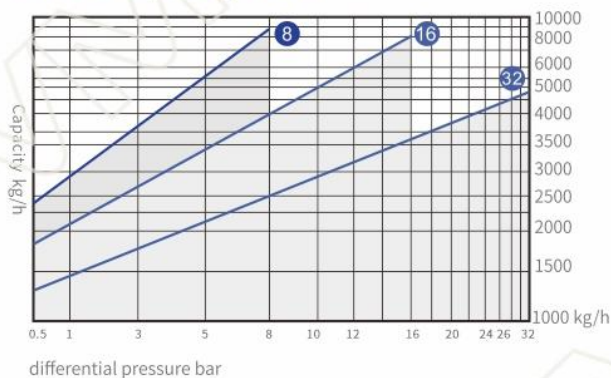
Technical Parameter

| | |
|------------------------------------|-----------------|
| Nominal pressure | PN40 |
| Max. allowable pressure (Shell) | 3.92MPa/200°C |
| Max. allowable temperature (Shell) | 450°C/1.66MPa |
| Factory steam action test | >3 times/1.6MPa |
| Max. operating pressure | 3.2MPa |
| Max. operating temperature | 350°C |
| Factory cold test pressure | 6.0MPa |
| Air test | 2.0MPa |

Material List

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

SBT60 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.

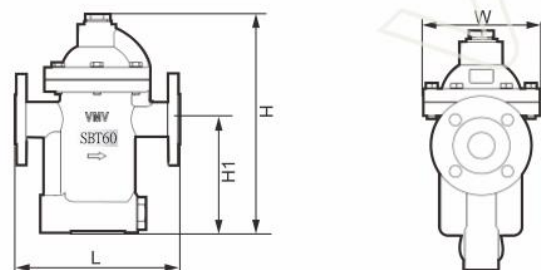
Features

- 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/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



Dimension Table

| Unit(mm) | | | | | | |
|----------|---------|-----|-----|-----|-----|--------|
| Model | Size | L | H | H1 | W | Weight |
| SBT60W | DN25-32 | 260 | 460 | 260 | 220 | 27.5Kg |
| SBT60F | DN25-50 | 320 | 460 | 260 | 220 | 36Kg |



VMV Newton Systems®

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