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Newton Systems

STEAM TRAP SERIES

Pilot Inverted Bucket Steam Trap SBT66

Pilot Inverted Bucket Steam Trap

Pilot Inverted Bucket Steam Trap **SBT66**

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 made of cast steel.
- The internal parts are all made of stainless steel, and the wear allowance has been fully considered in the design of the movable parts,which improves the service life of the steam trap.
- Install anti-water shock device, so that the fluid entering the valve bodydoes not produce water hammer phenomenon.
- 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.
- The back pressure rate is as high as 90% or more.

Technical Parameter

Nominal pressure	PN100
Max. allowable pressure (Shell)	6.67MPa/450°C
Max. allowable temperature (Shell)	500°C/4.981MPa
Factory steam action test	>3 times/1.6MPa
Max. operating pressure	6.9MPa
Max. operating temperature	50°C
Factory cold test pressure	15MPa
Air test	2.0MPa

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

Material List

Bonnet : A105/ F11

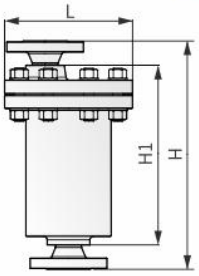
Body : A105/ F11

Seat : 420

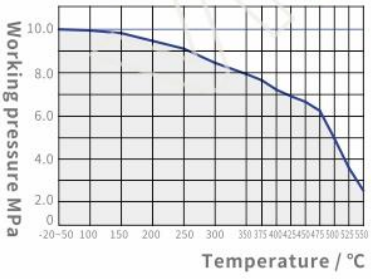
Disc: 440C+304

Other internal parts: 304

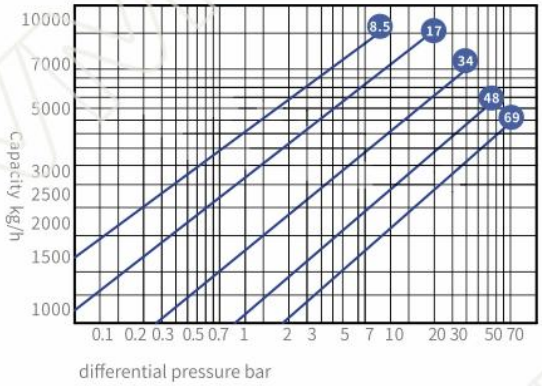
Structure Diagram



F11 PN100 Valve Body Pressure-Temperature Ratings



SBT66 Capacity Curve



Dimension Table

Unit(mm)

Model	Size	H	H1	W	Weight
SBT66W	DN25-50	536	422	300	27.5Kg
SBT66F	DN25-50	536	422	300	36Kg

VMV Newton Systems®

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