www.vmvvalve.com

Newton Systems

STEAM TRAP SERIES

Inverted Bucket Steam Trap SBT20

Inverted Bucket Steam Trap

Working Principle

• Based on the differential density of steam and liquid.

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 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

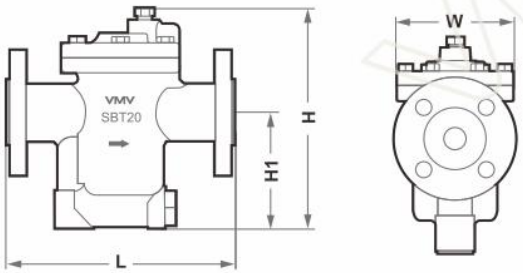
Technical Standard

•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

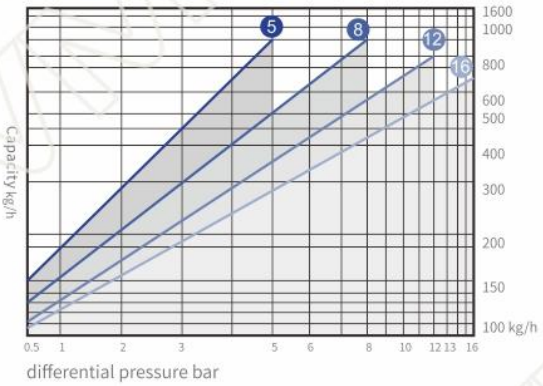
Material List

Bonnet : WCB/F304/F316
Body : WCB/CF8/CF8M
Seat : 420
Disc: 440C+304
Other internal parts: 304

Structure Diagram



SBT20 Capacity Curve



Structural Dimension Table

Unit(mm)

Model	Size	L	H	H1	W	Weight
SBT20T	DN15-25	170	245	133	140	8Kg
SBT20W	DN15-25	170	245	133	140	8Kg
SBT20F	DN15-40	230	235	133	140	10.5Kg

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

CE API ISO TS EAC CCS

www.vmvvalve.com

Scan More Wonderful