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Newton Systems

STEAM TRAP SERIES

Thermodynamic (Disc) Steam Trap STD01

Thermodynamic (Disc) Steam Trap

STD01 Thermodynamic (Disc) Steam Trap

Technical Parameter

Nominal pressure	PN16
Max. allowable pressure (Shell)	1.51MPa/50°C
Max. allowable temperature (Shell)	200°C/1.09MPa
Factory steam action test	>3 times/1.0MPa
Max. operating pressure	1.0MPa
Max. operating temperature	200°C
Factory cold test pressure	2.4MPa
Air test	0.6MPa

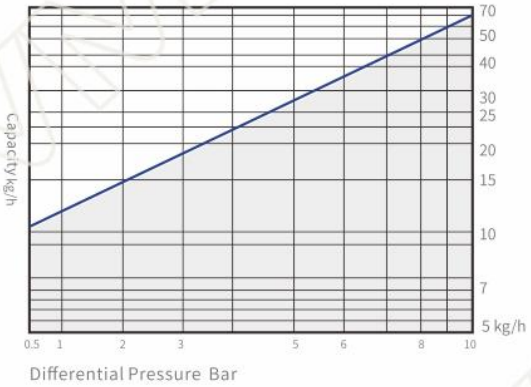
Material List

Bonnet: 304

Body: 304

Disc: 304

STD01 Capacity Curve



Working Principle

- Depends on the difference of steam and liquid flow rate
- Exclude saturated condensate

Features

•The valve body and bonnet are all made of stainless steel. Through heat treatment and aging treatment, they are not denatured and wear-resistant under high temperature and high pressure, which improves the service life of the trap.

• The fluid channel of the internal structure is designed strictly according to Bernoulli's equation, and the structure is reasonable.

• The back pressure rate is as high as 80% or more.

Technical Standard

•GB/T12250-2005 Steam Trap Terminology Marking Structure Length

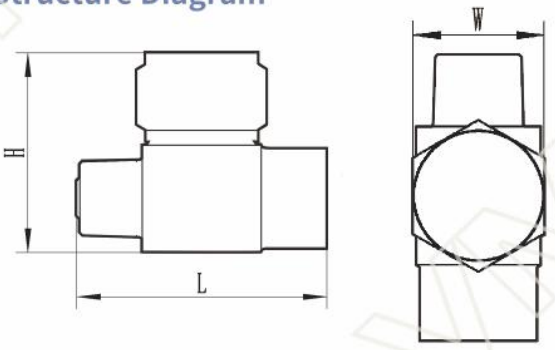
•GB/T22654-2008 Technical Conditions for Steam Trap

•GB/T12251-2005 Test Methods for Steam Trap

•ISO 6948 Automatic steam trap

Production and performance characteristic tests

Structure Diagram



Structural Dimension Table

unit (mm)

Model	Size	L	H	W	Weight
STD01	1/4"	42	34	18	0.115Kg

•Suitable for steam irons and instrument pads in the garment

VMV Newton Systems®

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