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VMV®

Newton Systems

STEAM TRAP SERIES

Lever Ball Float Steam Trap
SFT10A

Lever Ball Float Steam Trap

SFT10A Lever Ball Float Steam Trap

Working Principle

• Based on the density of vapor and liquid.

Features

• The valve body and bonnet are made of cast steel/forged steel.
• All internal parts are made of stainless steel, and the wear allowance has been fully considered in the design of movable parts, which improves the service life of the trap.
• Special flow channel design to achieve zero water hammer.
• Patented flexible closing system and micron-level precision closing system double guarantee no steam leakage and long service life.
• Built-in air exhaust valve to prevent air lock.
• The independent filter makes the trap work in a clean environment.
• Choose different displacement curves according to the pressure.
• The back pressure rate is as high as 95%

Technical Parameters

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

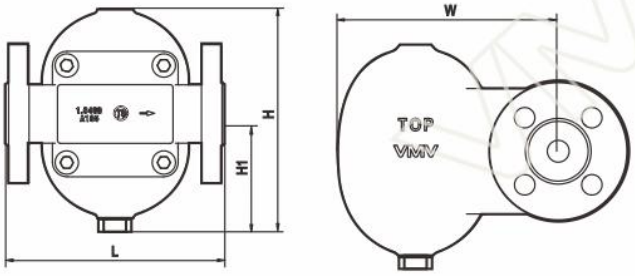
Technical Standard

•GB/T12250-2005 Steam Trap Terminology Marking Structure Length
•GB/T22654-2008 Technical Conditions for Steam Traps
•GB/T12251-2005 Test Method for Steam Traps
•ISO 6948 Automatic steam traps Production and performance characteristic tests

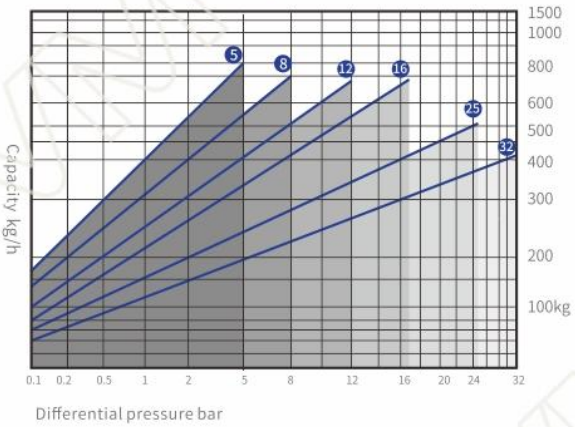
Material List

Bonnet: A105/F304/F316
Body: WCB/CF8/CF8M
Seat: 420
Disc: 440C
Other internal parts: 304

Structure Diagram



SFT10A Capacity Curve



Dimension Table

Unit(mm)

Model	Size	L	H	H1	W	Weight
SFT10AT	DN15-20	120	154	82	155	5.0 kg
	DN25	145	154	82	155	5.7 kg
SFT10AW	DN15-20	120	154	82	155	5.0 kg
	DN25	145	154	82	155	5.7 kg
SFT10AF	DN15-20	150	154	82	155	7.0 kg
	DN25	160	154	82	155	8.1 kg

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