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Newton Systems

STEAM TRAP SERIES

Lever Ball Float Steam Trap
SFT30A

Lever Ball Float Steam Trap

SFT30A Lever Ball Float Steam Trap

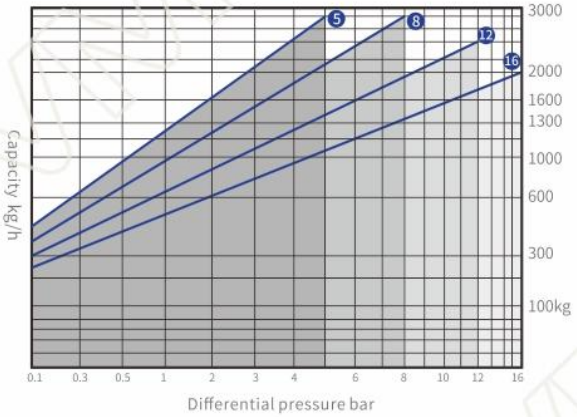
Technical Parameters

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

Material List

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

SFT30A Capacity Curve



Working Principle

- Based on the differential density of steam and liquid.

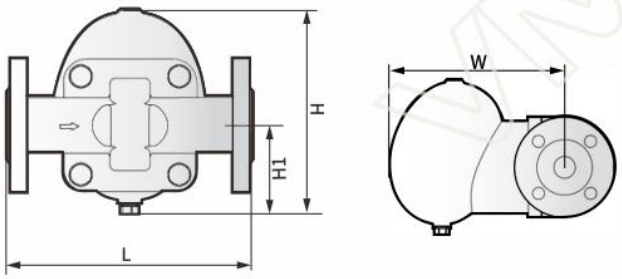
Features

- 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 steam 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 steam lock.
- Built-in filter makes the steam trap work in a clean environment.
- Choose different capacity curves according to the differential pressure.
- Back pressure rate is as high as 95%.
- Drain plug is designed at the bottom of the steam trap to ensure that the internal water will be drained, to prevent floating ball from freezing damage in cold weather.

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
SFT30AT	DN25-32	170	210	90	235	12 kg
SFT30AW	DN25-32	170	210	90	235	12 kg
SFT30AF	DN25-50	230	210	90	235	16.5 kg

VMV Newton Systems®

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