

Newton Systems



STEAM TRAP SERIES

Air Trap AFT30A

Air Trap

AFT30A Air Trap



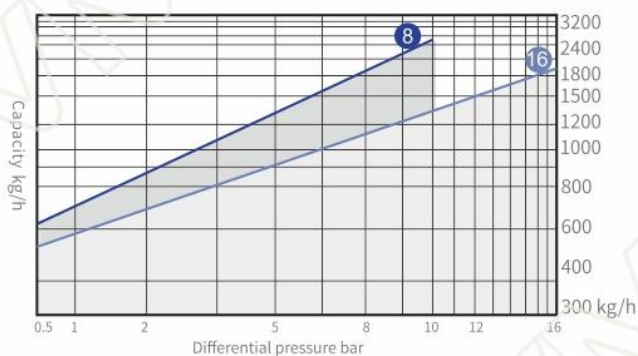
Technical Parameters

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	Disc: 440C
Body: WCB	Other internal parts: 304
Seat: 420	

AFT30A Capacity Curve



Working Principle

- Based on the differential density of steam and liquid.

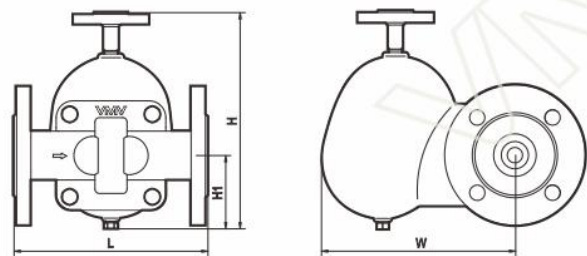
Features

- 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.
- Pressure equalization pipe completely solves the air blockage.
- Built-in filter makes the air trap work in a clean environment.
- Choose different capacity curves according to the differential pressure, increase capacity.
- Drain plug is designed at the bottom of the air 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
AFT30AT	DN25-32	170	260	87	235	12.5 kg
AFT30AW	DN25-32	170	260	87	235	12.5 kg
AFT30AF	DN25-32	230	260	87	235	17 kg



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