

## Newton Systems



## STEAM TRAP SERIES

Air Trap AFT10A

# Air Trap

## AFT10A Air Trap



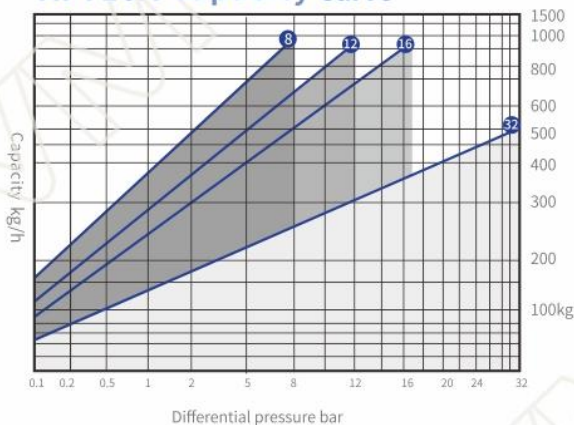
### Technical Parameters

Nominal pressure	PN40
Max. allowable pressure (Shell)	3.46MPa/200°C
Max. allowable temperature (Shell)	450°C/1.03MPa
Max. operating pressure	3.2MPa
Max. operating temperature	250°C
Factory cold test pressure	6.0MPa
Air test	2.0MPa

### Material List

Bonnet: A105	Disc: 440C
Body: WCB	Other internal parts: 304
Seat: 420	

### AFT10A Capacity Curve



### Working Principle

- Based on the differential density of steam and liquid.

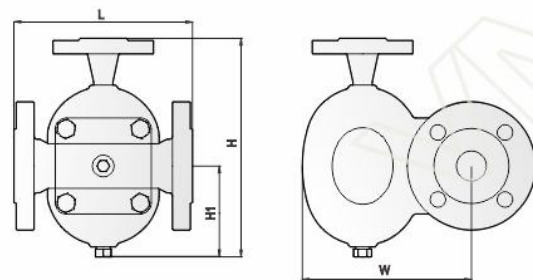
### Features

- 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

Model	Size	Unit(mm)				Weight
		L	H	H1	W	
AFT10AT	DN15-25	160	196	80	151	9 kg
AFT10AW	DN15-25	160	196	80	151	9 kg
AFT10AF	DN15-25	160	196	80	151	12 kg



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## **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](mailto:vmv@vmv-valve.com)

### **Shanghai R&D Center**

Jiading District, Shanghai  
Building 12A, Chengbei Road  
Tel: 86-18057752663

E-mail: [vmv8@vmv-valve.com](mailto:vmv8@vmv-valve.com)



[www.vmvvalve.com](http://www.vmvvalve.com)



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