

Performance/advantages

Continues discharging saturation condensed water without accumulation, and so get the maximum thermal efficiency.
 When steam pressure changes, the ball float can adjust the opening of valve seat without influence, and so it is stable.
 With automatic and manual releaser, and so its exhaust performance is good without airlock and working is smooth without noise.
 Excellent sealing performance, with ball structure for sealing piece, no physical deterioration and long useful life.

Application

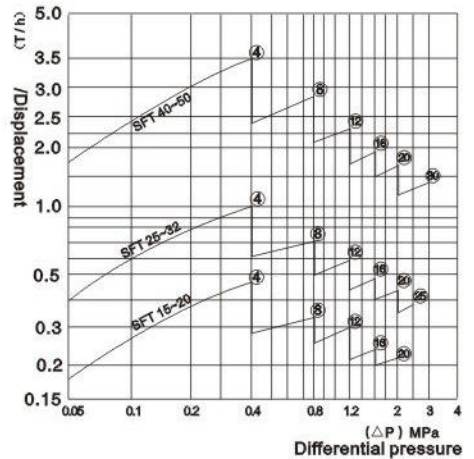
By automation, speediness and continuing features, this valve is used for the steam heating equipment, condensation water recovery system and the place where needs removing condensation water at quick speed, and so stop steam leakage effectively and obtain optimum heating.

Use and maintenance

Confirm the valve material, pressure and check if the maximum is suitable for operation condition. Before installation, clean the pipeline and clear away sundries
 The installation position shall be closed to heating equipment as much as possible
 Install the minimum point of pipe horizontally and the direction of flow should be the same to the label of valve.
 Install steam trap for each heating equipment in case cause influence each other.
 Under the safe operation of system, open the valve in front of the steam trap, make it rise up to normal station slowly.
 Do time-based maintenance for the normal working of steam trap.

Working principle

When start, the automatic exhaust plant clear away the non-frozen gas in system fast. The temperature rises up with the increasing of steam and hot condensation water and the exhaust plant closes automatically, the ball float rises up with the water level of condensation water and drives the bar for adjusting the opening of valve seat hole, continues to discharge condensation water. When the condensation water stops, the ball float falls by gravity, drive the bar for moving valve plug for closing the seat hole of drain valve.



Main basis for type selection

Condensation water loading (discharge) kg/h (select the multiplying power 2-3 times)
 Maximum working pressure Mpa
 Operation pressure differential
 Valve material and nominal pressure
 Connection mode and dimension

Model, spec and dimension list							
Model	Nominal diameter (mm)	L (mm)	H (mm)	H1 (mm)	S Φ (mm)	A × C (mm)	
FT14H bar ball float	15	121	148	70	112.5	95x95	
	20	121	148	70	112.5	95x95	
	25	145	158	70	112.5	95x95	
	32	270	240	80	150	147x147	
	40	270	240	80	150	147x147	
	50	270	240	80	150	147x147	

Model, spec and dimension list								
Model	Nominal diameter (mm)	Connection mode	L (mm)	H (mm)	H1 (mm)	L1 (mm)	A × C (mm)	B (mm)
FT43H bar ball float	15	Flange	150	250	190	100	90	20
	20		150	250	190	100	90	23
	25		160	250	190	100	90	23
	32		230	335	270	160	120	158
	40		230	335	270	160	120	158
	50		230	350	280	160	120	158

Model, spec and dimension list							
Model	Nominal diameter (mm)	L (mm)	H (mm)	H1 (mm)	S Φ (mm)	A × C (mm)	
FT44H bar ball float	15	150	153	75	105	95x95	
	20	150	153	75	105	95x95	
	25	160	153	75	105	95x95	
	32	270	240	85	150	147x147	
	40	270	240	85	150	147x147	
	50	270	240	85	150	147x147	
	65	270	240	85	150	210x210	
	100	350	300	90	210	210x210	

Model, spec and dimension list								
Model	Nominal diameter (mm)	Connection mode	L (mm)	H (mm)	H1 (mm)	L1 (mm)	A × C (mm)	B (mm)
FT14HC FT13	15	Flange	120	195	75	120	110x110	6.8
	20		120	195	75	120	110x110	6.8
	25		120	200	80	120	110x110	17.5
	40		270	238	158	130	147x147	22.0
	50		300	238	158	130	147x147	23.0