

VFT44/VFT45/VFT46/VFT47 LEVER FLOAT STEAM TRAP

1. Cast steel with good mechanical performance and corrosion resistance.
2. Disc and seat is stainless steel, heat treatment and technical treatment add the hardness ensure longer service life.
3. Smart lever structure, disc will slowly close/open, reduce impact and ensure long service life.
4. Water seal design, prevent steam leakage and steam lock.
5. Build in air vent, prevent air lock.
6. Build in screen ensure good operation.
7. Horizontal and vertical installation both available.
8. Drain plug easy for maintenance, preventing freezing and crushing of the floating ball in low temperature environment.

TECHNICAL SPECIFICATION

Design standard: GB/T12250-2005, GB/T12250-2023

Face to face: GB/T22654-2008

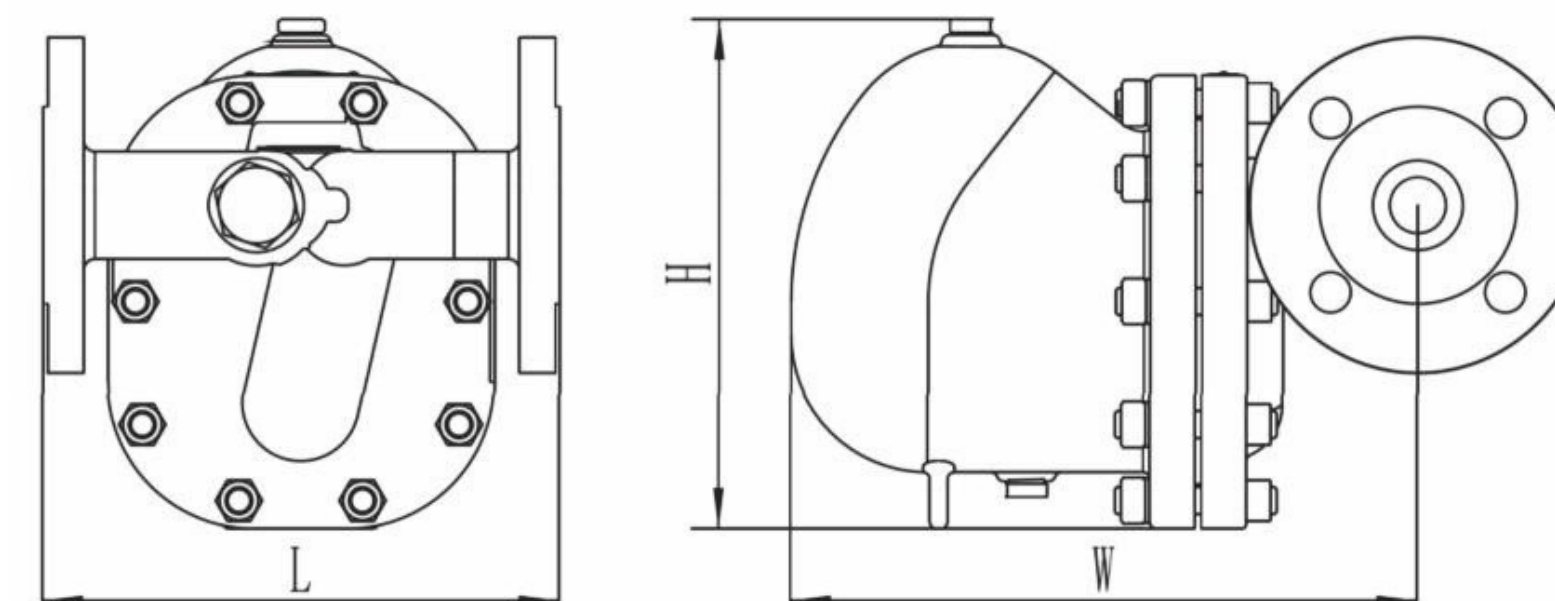
Connection standard: HG/T20592, ASME B16.5, GB/T14383, ASME B16.11

Test and inspection: GB/T12251-2005, ISO6948, ISO7840, ISO7842

WORK PRINCIPLE

1. Discharge condensate and air. Air vent open since fluid under set temperature, condensate and air be quickly discharged.
2. Discharge condensate. Condensate increase and fluid level raise, so the float ball drive the disc open, and condensate be quickly discharged.
3. Block steam. Condensate decrease and fluid level lower, float ball drive the disc closed, steam be blocked.
4. Air vent closed since fluid temperature raised. Steam trap will switch from 2/3 as a work cycle.

NAME	MATERIAL
Body	WCB, SS304
Drain plug	CS
Bolt, gasket, nut	CS
Float ball	SS304
Disc	SS304
Lever controller	SS304+SS420
Air vent	SS304
Screen	SS304
Seat	SS420
Cover	A105, SS304
Flange	A105, SS304
Nameplate	SS304



MODEL	DN	L	H	W	Weight/Kg
VFT44F	DN20	150	227	279	18.8
VFT44F	DN25	160	227	279	19.5
VFT44F	DN32	230	227	279	21.4
VFT44F	DN40	230	227	279	21.9
VFT44R	DN20	150	227	279	17.4
VFT44R	DN25	160	227	279	17.4
VFT44R	DN32	190	227	279	17.3
VFT44R	DN40	190	227	279	17.2
VFT44W	DN20	150	227	279	17.4
VFT44W	DN25	160	227	279	17.4
VFT44W	DN32	190	227	279	17.3
VFT44W	DN40	190	227	279	17.2

MODEL	DN	L	H	W	Weight/Kg
VFT45F	Dn32	230	257	292	26.9
VFT45F	DN40	230	257	292	27.7
VFT45F	Dn50	230	257	292	28.8

MODEL	DN	L	H	W	Weight/Kg
VFT45F	DN25	230	257	292	26
VFT45F	DN32	230	257	292	26.5
VFT45F	DN40	230	257	292	27.2
VFT45F	DN50	230	257	292	28.2
VFT45R	DN25	190	257	292	22.2
VFT45R	DN32	190	257	292	22.2
VFT45R	DN40	190	257	292	22.1
VFT45R	DN50	190	257	292	22
VFT45W	DN25	190	257	292	22.2
VFT45W	DN32	190	257	292	22.2
VFT45W	DN40	190	257	292	22.1
VFT45W	DN50	190	257	292	22

MODEL	DN	L	H	W	Weight/Kg
VFT46F	DN32	270	310	348	45
VFT46F	DN40	270	310	348	45.4
VFT46F	DN50	270	310	348	46.7
VFT46F	DN65	270	310	348	48.1

Model:

- VFT44-16C Carbone Steel
- VFT44-16S: Stainless Steel
- VFT45-16C Carbone Steel
- VFT45-16S: Stainless Steel
- VFT46-16C Carbone Steel
- VFT46-16S: Stainless Steel

BELLOVALVE

STEAM VALVE

STEAM TRAP

GENERAL INDUSTRY VALVE

BELLOVALVE

STEAM VALVE

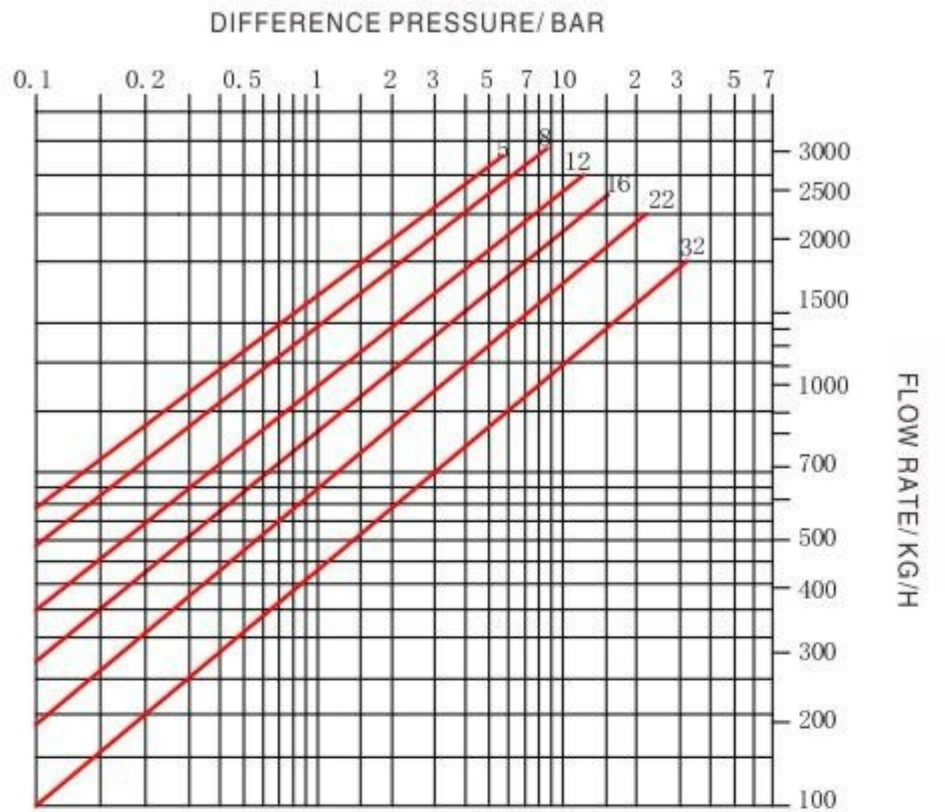
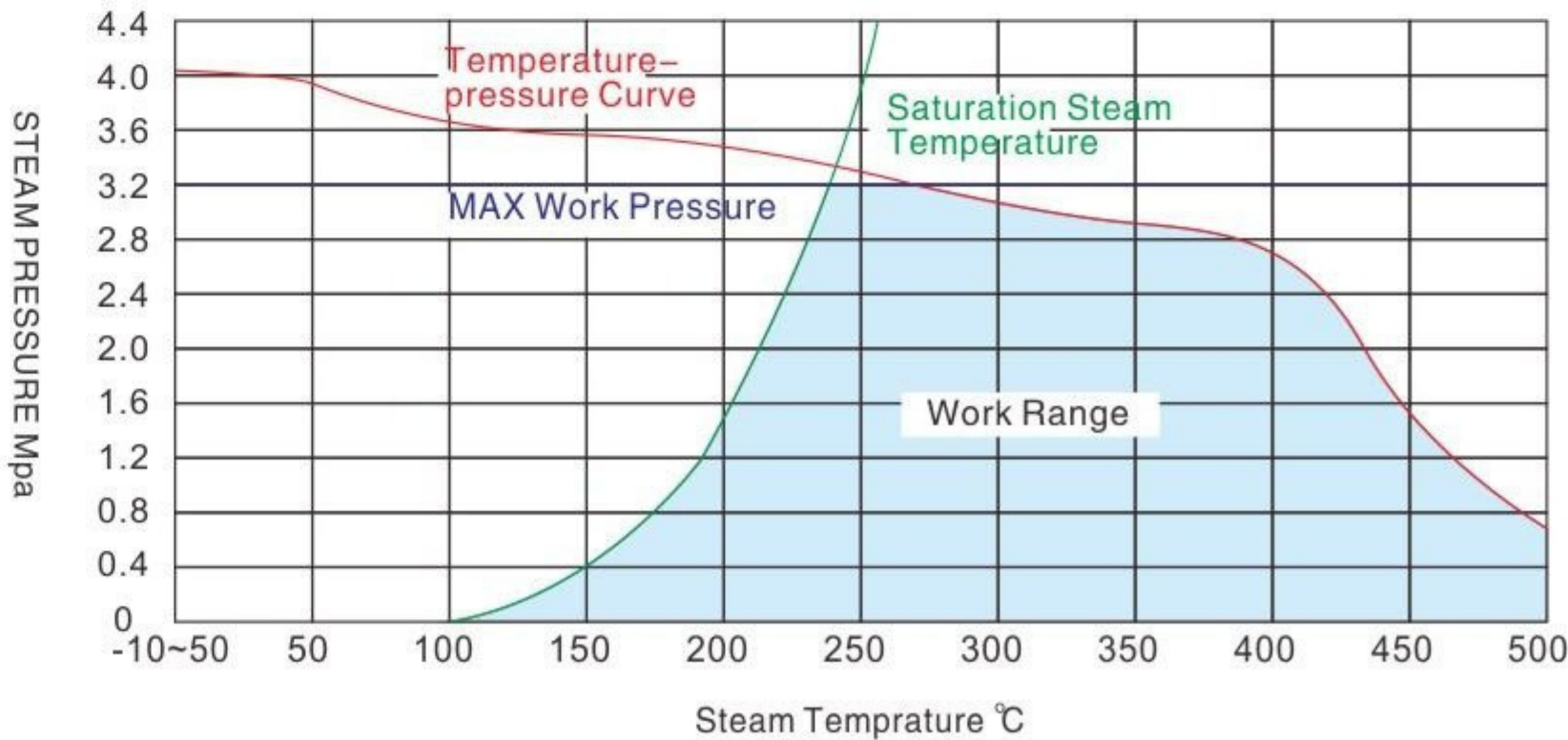
STEAM TRAP

GENERAL INDUSTRY VALVE

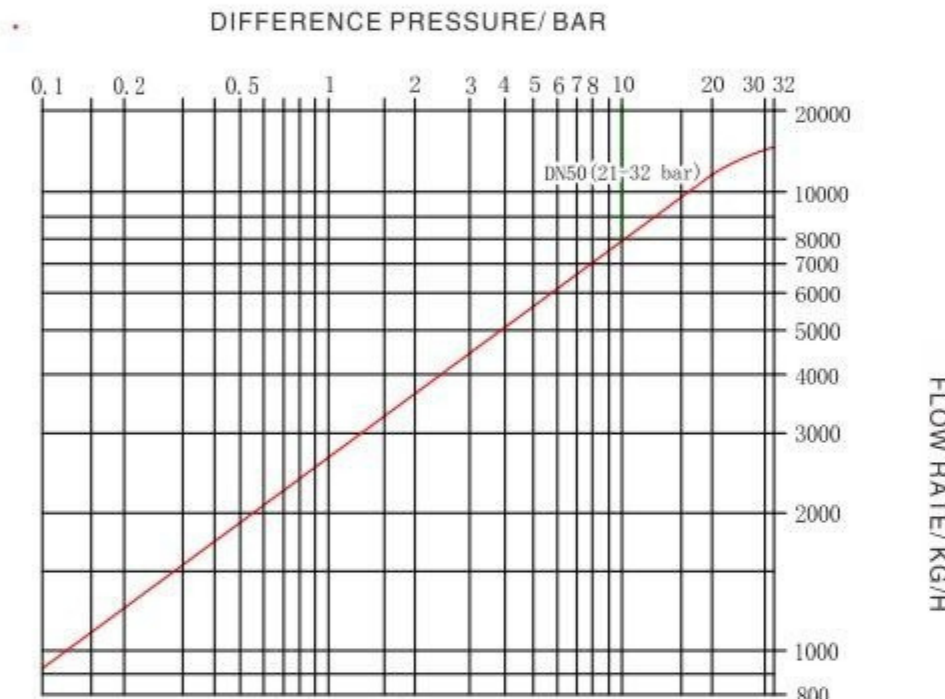
MODEL	DN	L	H	W	Weight/Kg
VFT47F	DN40	310	340	407.5	57.5
VFT47F	DN50	310	340	407.5	58.8
VFT47F	DN65	310	340	407.5	60.8
VFT47F	DN80	310	340	407.5	62.2

WORK MEDIA	STEAM, WATER
Nominal Pressure	PN40
Max Work Pressure	3.2MPa
Max Pressure Difference	3.2MPa
Max Allowable Temperature	270℃/3.2MPa
No Load Leakage Rate	≤0.5%
Max Back Pressure Rate	≥80%

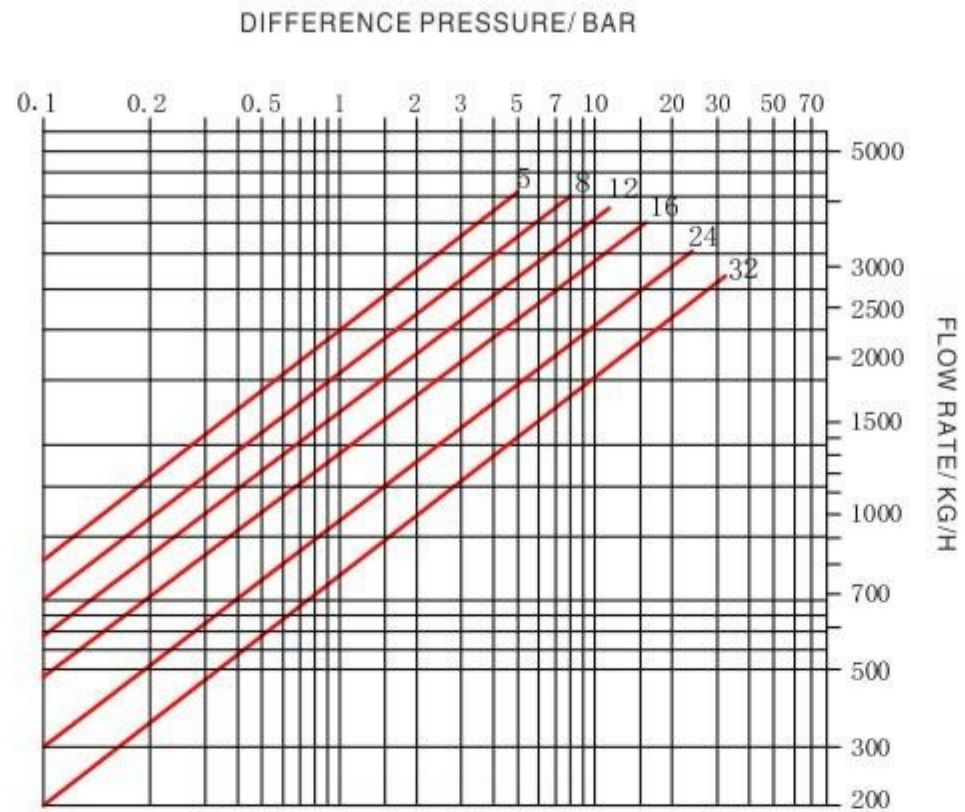
VFT44/VFT45/VFT46/VFT47 LEVER FLOAT STEAM TRAP OPERATING RANGE



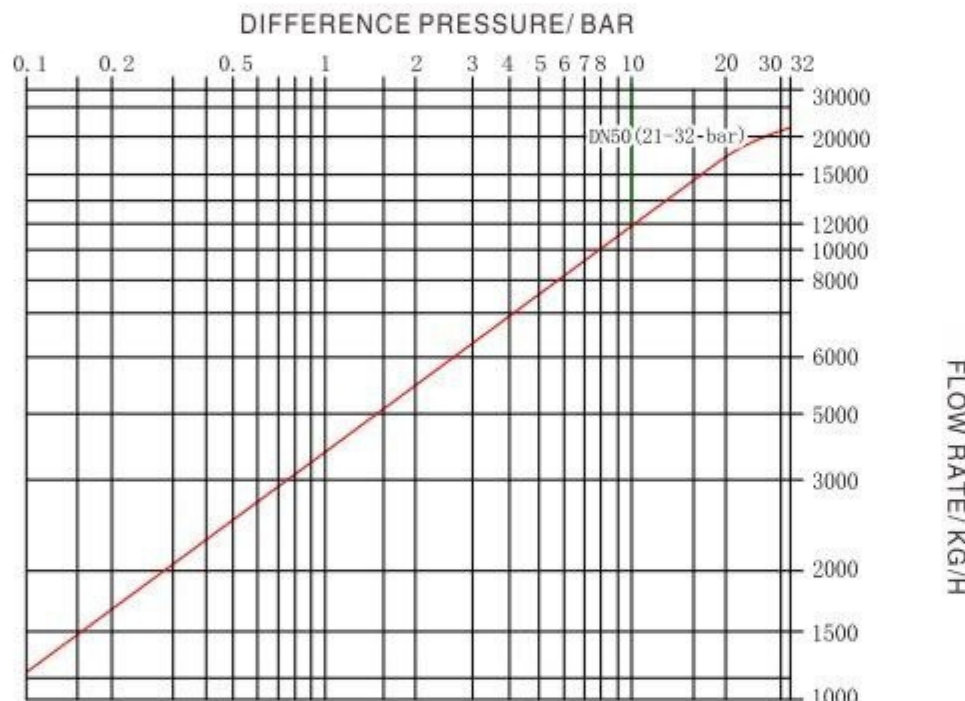
VFT44 FLOW RATE



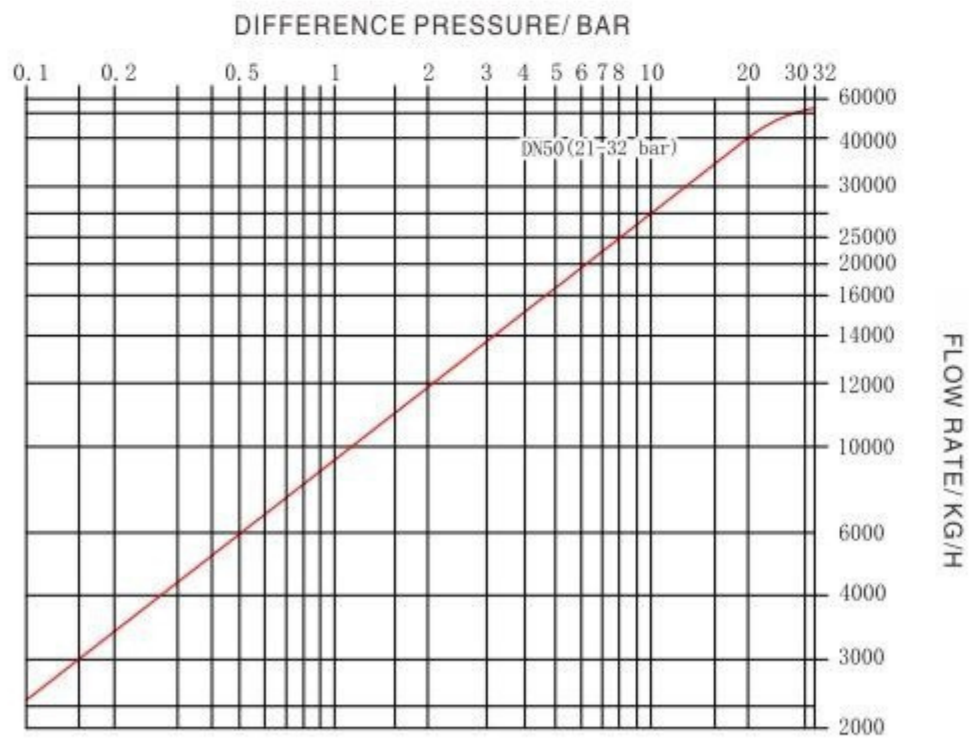
VFT45 FLOW RATE



VFT45 FLOW RATE



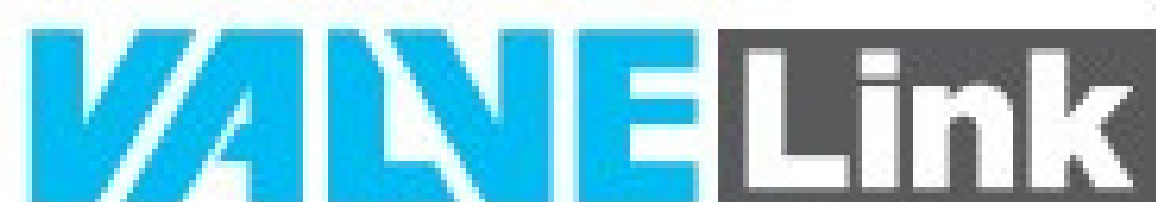
VFT46 FLOW RATE



VFT47 FLOW RATE

NOTICE:

- 1.Can install in horizontal direction, flow direction indicated on body. Clean the pipeline before installation. Clean condensate with drain plug, preventing freezing and crushing of the floating ball in low temperature environment.
- 2.Widely applied in small heat exchanger, heating device, concentrate device, reboiler device, extraction tank, drying device, air preheater, dehumidification equipment. Suit for high difference pressure, siphon drain condensate and intermittent steam supply equipment.
- 3.Please offer model number, nominal size, connection type, required size.



All your process control needs

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