VOLFRAM
engineering steam®

FIX ORIFICE BALL FLOAT TRAP

An ISO 9001:2008 Certified Company

Steam Distribution | Steam Generation | Customized Package Solution | Steam Accessories | Steam Services

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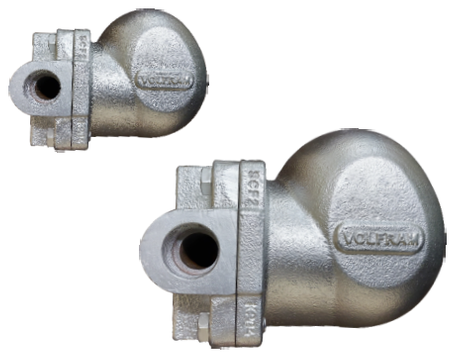
Ball Steam Traps CI

Applications

VOLFRAM VFT21 (Fixed orifice Ball Float Steam Trap with internal air vent) are designed for draining condensate from all types of low and medium pressure steam heating and process equipment. Typical applications include unit heaters, heat exchangers, driers and jacketed vessels.

Available Types

- **VFT21 - 4.5**
- **VFT21 - 10**
- **VVFT21 - 14**
- Option with SLR / AV Thermostatic



Features:

- Discharges condensate at saturated temperature Excellent air venting (by thermostatic air vent)

USE:

- Saturated and superheated steam

Limiting Conditions:

PMO: Max. operating pressure	14 bar(g)
TMO: Max. operating temperature	220 ºC
Cold hydro test pressure	24 bar(g)

Sizes

- NPS 1/2, 3/4, 1

Connections:

- Screwed (NPT/BSPT/BSP)

Installations:

- Standard horizontal installation with flow from right to left

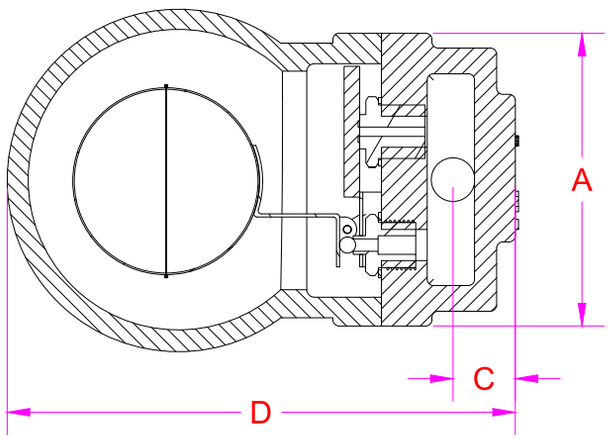
The trap should be installed below the drain point of the equipment in a position so that the float arm is in a horizontal plane and the float rises and falls vertically, with the flow direction as indicated on the body. The arrow on the nameplate should be pointing vertically upwards.

TRAP DISCHARGE CAPACITY IN kg/hr

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)																
		0.5	1	1.5	2	3	4	4.5	5	6	7	8	9	10	11	12	13	14
VFT21-4.5	DN15,200	200	280	320	350	400	454	495	—	—	—	—	—	—	—	—	—	—
VFT21-4.5	DN25	530	700	750	879	1019	1099	1229	—	—	—	—	—	—	—	—	—	—
VFT21-10	DN15,20	135	150	165	180	210	241	255	280	300	350	391	405	420	—	—	—	—
VFT21-10	DN25	230	320	370	420	510	570	600	640	680	710	760	800	820	—	—	—	—
VFT21-14	DN15,20	125	140	150	165	190	221	230	246	271	296	325	350	375	404	430	454	482
VFT21-14	DN25	130	160	180	220	260	300	320	330	360	380	400	430	450	460	475	490	510

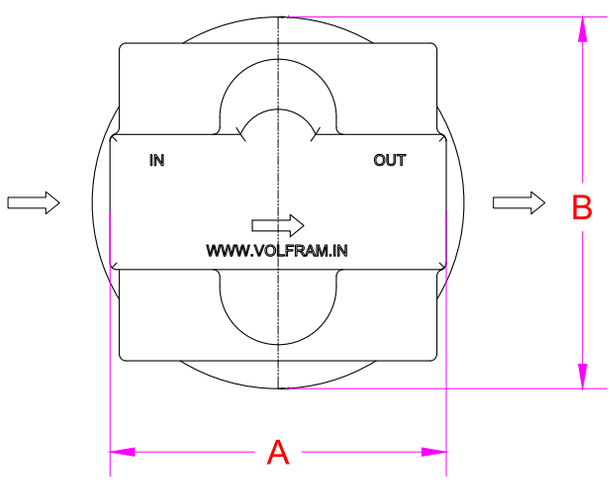
Material:

NO.	PART	MATERIAL
1.	BODY	CAST IRON
2.	COVER	IS : 210 FG200
3.	GASKET (COVER)	NON CAF
4.	VALVE SEAT	AISI 410 / 420
5.	VALVE	
6	LEVER	AISI 304
7	FLOAT	AISI 304
8	AIR VENT ASSLY	AISI 304
9	BOLT	HIGH TENSILE
10	DRAIN PLUG	C.S
11	GASKET DRAIN PLUG	COPPER
12	GASKET AIR VENT	COPPER
13	GASKET VALVE SEAT	COPPER
14	BRACKET ASSLY.	AISI 304



Dimensions: Nominal in mm

SIZE	A	B	C	D	Wt.
DN15,20	95	110	20	164	4.5kg
DN25	130	167	30	217	8.3kg



Available Spares:

Valve Seat, Ball Float and Level assembly.,
Air vent Assly., Gaskets.

Ordering Information:

FOFT → Fixed Orifice Ball Float Trap

15 → Size
- 15 - 15 NB
- 20 - 20 NB
- 25 - 25 NB

BSP → End Connection

CI → MOC - CI

L → With SLR/Air Vent for different pressure
1. 4.5 Bar + SLR - L
2. 10 Bar + SLR - M
3. 14 Bar + SLR - N
4. 4.5 Bar + Air Vent - P
5. 10 Bar + Air Vent - Q
6. 14 Bar + Air Vent - R

Volfram Boiler and Steam Accessories

Steam Boilers

Condensate Recovery System

Rotating Plug Float Trap

Control Valve

Pressure Gauge

SS Safety Valve

Non Return Valve

Steam Injector

Pressure Reducing Valve

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