

ARIKE Steam Trap Ball Float



**BALL FLOAT STEAM TRAP
MODEL
FTY
30-40-50**

STEAM TRAP

FLOAT TYPE



MAIN FEATURES:

- .Intermittent discharge
- .Discharges condensate at steam temperature
- Unaffected by water hammer and vibrations.
- . Easy to maintain
- USE: Saturated and superheated steam.

AVAILABLE MODELS:

FTY30 – FTY50 carbon steel.

SIZES: 3/4 - 1 - 1 1/2" to 2"; DN 20 to DN 50.

CONNECTIONS:

- Female threaded ISO 7 Rp or NPT.
- Flanged EN 1092-1 PN 25
- Flanged ASME B16.5 Class 150 or 300. Socket weld (SW) ASME 16.11
- Butt weld (BW) ASME B16.25 on request.

INSTALLATION:

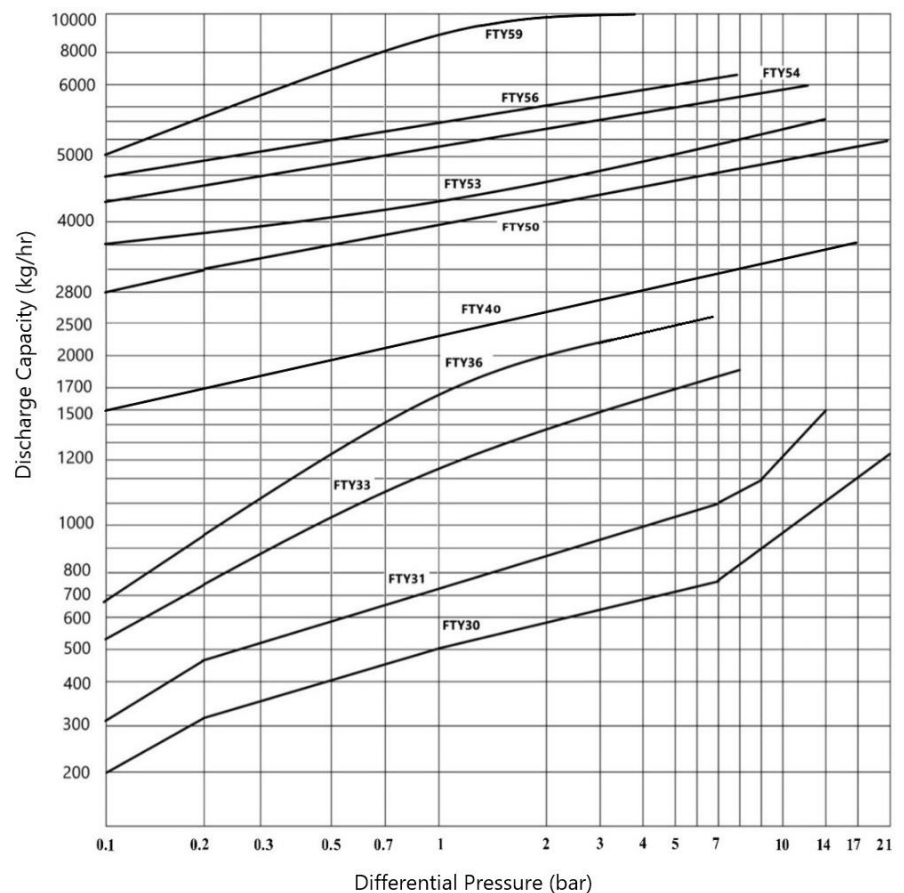
Vertical installation.

| Material | |
|---------------------|---------------------------------|
| Body | A216WBC |
| Cover | A216WBC |
| Cover bolts and nut | SYS 10.9 |
| Entrance bracket | AISI 316 |
| Nuzzle | AISI 316 |
| Diaphragm Assy | Bimetal |
| Floating Assy | AISI 316 |
| Ball | AISI 316 |
| Gasket | Reinforced AISI316 +graphite |
| Pluge | AISI 316 |

Available spares

- Main Valve assembly
- Ball float
(3/4 – 1- 1- 1 1/2 – 2 in)
- Air vent assembly
- Complete set of gaskets

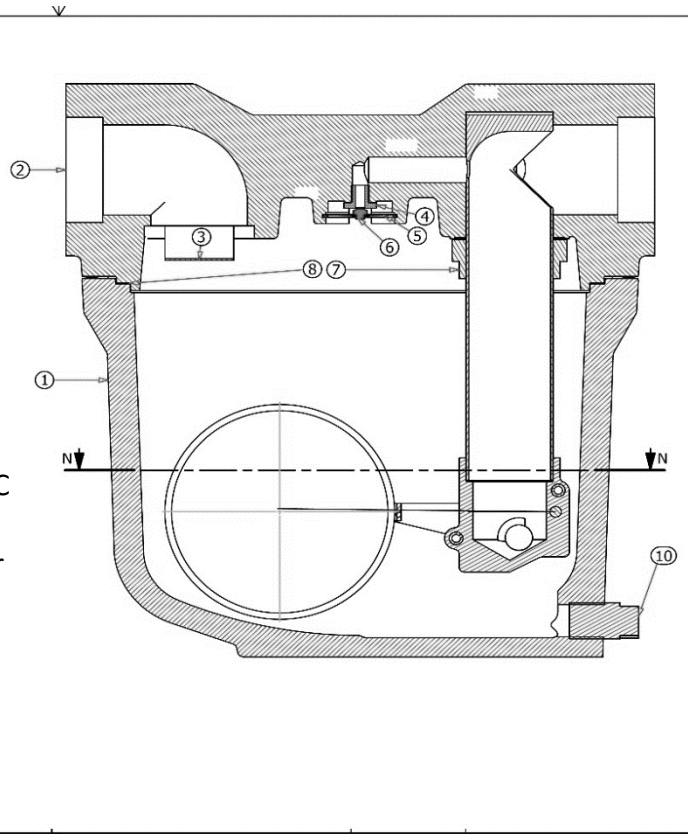
FTY



TECHNICAL DATA

| | | | | |
|------|------------------|-----|-------------|-----------------|
| 10 | Screw | 1 | FLO-2in-10 | FLO-2in-10.ipt |
| 9 | Hex-Head Bolt | 6 | FLO-2in-9 | FLO-2in-9.ipt |
| 8 | Carbon Washer | 1 | FLO-2in-8 | FLO-2in-8.ipt |
| 7 | Floating Assy | 1 | FLO-2in-7-0 | FLO-2in-7-0.iam |
| 6 | CirClips | 1 | FLO-2in-6 | FLO-2in-6.ipt |
| 5 | Diaphragm ASSY | 1 | FLO-2in-5-0 | FLO-2in-5-0.iam |
| 4 | Nozzle | 1 | FLO-2in-4-0 | FLO-2in-4-0.iam |
| 3 | Entrance Bracket | 1 | FLO-2in-3 | FLO-2in-3.ipt |
| 2 | Upper Body | 1 | FLO-2in-2 | FLO-2in-2.ipt |
| 1 | Bottom Body | 1 | FLO-2in-1 | FLO-2in-1.ipt |
| ITEM | TITLE | QTY | PART NUMBER | FILE NAME |

PARTS LIST











Body design: Maximum Allowable Pressure (PMA) 2.7MPa, Maximum Allowable Temperature (TMA) 400deg. C
 Material for Flange Connection: Flange ASTM A-105, Pipe-ASTM A-106, Reducer ASTM A-105(Size=80mm)
 Face to face dimensions compatible to other major brand's Special design:
 FIG.23530RH3533Dume

| MODEL | FTY30 | | | | FTY 40 - 50 | | | | | |
|-------------------------------------|--|-------|-------|-------|-------------|-------|-------|-------|-------|-------|
| | FTY30 | FTY31 | FTY33 | FTY36 | FTY40 | FTY50 | FTY53 | FTY54 | FTY56 | FTY59 |
| Type | Float Type Steam Trap | | | | | | | | | |
| Body Class | Class 150 , 300 , 600 | | | | | | | | | |
| Body Size | Medium | | | | Large | | | | | |
| Connection | SW, Flange (ANSI) | | | | | | | | | |
| Size mm | 15,20,25,40,50 | | | | | | | | | |
| Body Material | ASTM A214 Gr.WCB | | | | | | | | | |
| Orifice No. | 30 | 31 | 33 | 36 | 40 | 50 | 53 | 54 | 56 | 59 |
| Max, Operating Pressure (PMO) MPa | 2.7 | | | | 2.1 | | | | | |
| Max. Differential Pressure bar | 21 | 14 | 6 | 3.2 | 14 | 21 | 13.8 | 10 | 4.3 | 1.5 |
| Max. Operating Temperature (TMO) °C | 350 (MAX.400°C For Manual Air Vent) | | | | | | | | | |
| Max, Flow Rate kg,h | 1,290 | 1,510 | 1,840 | 2,150 | 3,450 | 5,310 | 5,470 | 5,840 | 5,870 | 8,960 |
| Safety Factor for Design Flow | Design Flow x 1.5 | | | | | | | | | |
| Strainer | Built-in | | | | | | | | | |
| Automatic Air Vent | Built-in (To be manual air vent for temperature 350~400°C) | | | | | | | | | |
| Orientation | Horizontal (Allowable Inclination: 10 Degrees) | | | | | | | | | |

MECHANICAL STEAM TRAP

▣ Improved Efficiency of Heating Equipment
▣ Long Service Life, Excellent Durability
▣ Protects Equipment

| ARIKE MODEL | | Maximum Operating Pressure (bar) | Maximum Operating Temp (°C) | Discharge Capacity (kg/h) | Air Venting | Body Material | EQUAL |
|-----------------------------------|-------|---|-----------------------------|---------------------------|-------------|---------------------|--|
| Ball Float Steam Trap | | | | | | | |
| FT | 44 A |  | 32 | 300 | Up 50,000 | Automatic X-element | 1.0619 N/WCB SPIRAX SARCO FT44 Dn80 Dn100 |
| | 44 B |  | 32 | 285 | Up 20,000 | Automatic X-element | 1.0619 N/WCB SPIRAX SARCO FT44 DN20-50 |
| FTY | 30-50 |  | 27 | 400 | Up 9,000 | BIMETL AIR VENT | A216 WCB YARWAY (USA) DN 20-80 |
| Free Float Steam Trap | | | | | | | |
| FTH | 7.5B |  | 46 | 425 | 13,000 | Automatic X-element | Cast Steel ASTM A216 Gr.WCB TLV (JAPAN) JH7.5R-B |
| | 5B |  | 32 | 240 350 | 630 450 | Automatic X-element | Cast Stainless ASTM A351 Gr.CF8 TLV (JAPAN) JH5 RL-B |
| FTS1 | -- |  | 21 | 350 | 205 | - | Cast Stainless ASTM A351 Gr.CF8 TLV (JAPAN) SS1 |
| Inverted Bucket Steam Trap | | | | | | | |
| IBV | C |  | 80 | 300 | Up 15,000 | -- | ASTM SA105N IBV Series C SERIES SPIRAX SARCO |
| IB | SCA |  | 42 | 425 | 500 | -- | ASTM A105N IB-SCA SERIES SPIRAX SARCO |

*connections available: S = screwed, W = socket weld, F = flanged. All Arikeh FT Models with replaceable module. Full details can be found on individual SDS.