

# spirax sarco®

Catalogs

## Cast Iron Float & Thermostatic Steam Traps FT-15, FT-30, FT-75, FT-125

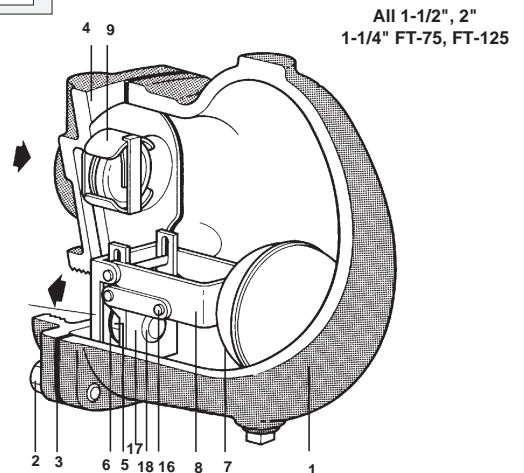
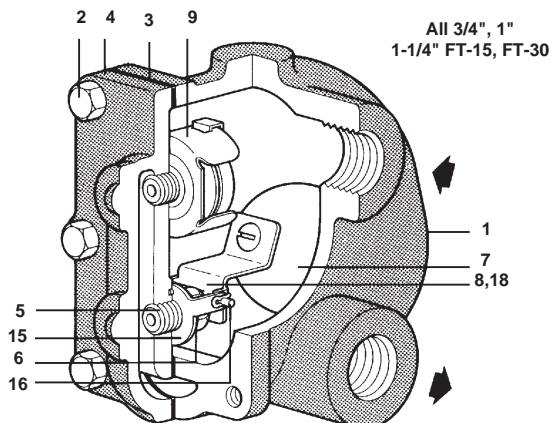
The trap contains a float valve mechanism which modulates to discharge condensate continuously at steam temperature, while non-condensable gases are released by a separate internal balanced pressure thermostatic air vent.

Model ↗	FT-15	FT-30	FT-75	FT-125
<b>PMO</b>	15 psig	30 psig	75 psig	125 psig
<b>Sizes</b>	3/4", 1", 1-1/4", 1-1/2", 2"			
<b>Connections</b>	NPT			
<b>Construction</b>	Cast Iron Body & Cover Stainless Steel Internals			
<b>Options</b>	Steam Lock Release (SLR) combination (includes air vent) Gauge Glass			

### TYPICAL APPLICATIONS

All process equipment, particularly when controlled by modulating temperature control valves; unit heaters, air heating coils, heat exchangers and steam main drip stations

For Capacities,  
See TIS 2.317



INDEX

SEARCH

INFO  
REQUESTSALES  
OFFICES

### LIMITING OPERATING CONDITIONS

<b>Max. Operating Pressure (PMO)</b>	<b>FT-15:</b> 15 psig (1.0 barg)
	<b>FT-30:</b> 30 psig (2.1 barg)
	<b>FT-75:</b> 75 psig (5.2 barg)
	<b>FT-125:</b> 125 psig (8.6 barg)

<b>Max. Operating Temperature</b>	45°F (25°C) of superheat at all operating pressures
-----------------------------------	---

### PRESSURE SHELL DESIGN CONDITIONS

<b>PMA</b> Max. allowable pressure	125 psig/up to 450°F 9 barg/up to 232°C
---------------------------------------	---

<b>TMA</b> Max. allowable temperature	450°F/0-125 psig 232°C/0-9 barg
--	---------------------------------

### CONSTRUCTION MATERIALS

No.	Part	Material
1	Body	Cast Iron ASTM A126 CL B
2	Cover Screws	Carbon Steel ASTM A449
3	Cover Gasket	Graphite
4	Cover	Cast Iron ASTM A126 CL B
5	Valve Seat	Stainless Steel Type 420F
6	Valve Seat Gasket	Stainless Steel Type 302
7	Ball Float	Stainless Steel Type 304
8	Float Arm	Stainless Steel AISI 301/302/304
9	Air Vent Assembly	Stainless Steel
	Air Vent Head	Stainless Steel Type 440 GR B
	Air Vent Seat	Stainless Steel Type 303
15	Seat Bracket	Stainless Steel AISI 301/302/304
16	Pivot Pins	Stainless Steel Type 302 or 303
17	Head Bracket, Stop, Link	Stainless Steel Type 301
18	Valve Head	Stainless Steel Type 440 Gr.C

Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only.

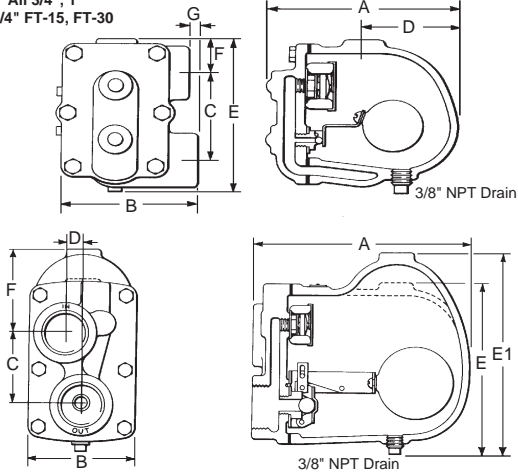
In the interests of development and improvement of the product, we reserve the right to change the specification.

TIS 2.313 US 01.97

# Cast Iron Float & Thermostatic Steam Traps FT-15, FT-30, FT-75, FT-125

Catalogs

All 3/4", 1"  
1-1/4" FT-15, FT-30



DIMENSIONS (NOMINAL) IN INCHES AND MILLIMETERS								
Size	A	B	C	D	E	E1	F	G
3/4", 1"	6.2 157	4.6 117	3.3 84	3 77	5.75 146	—	1.3 33	0.3 7.9
1-1/4" 1-1/2"	8.5 216	4.25 108	3 76	0.7 17	—	8.4 213	3.5 89	—
2"	9.8 249	4.9 124	4.9 124	0.12 3	9.1 230	—	1.9 49	—
*1-1/4" FT-15, FT-30	6.2 157	4.7 119	3 76	2.8 72	5.75 146	—	1.5 38	0.3 7.9
								Weight
								9 lb 4.1 kg
								18 lb 8.2 kg
								26 lb 11.8 kg
								9.3 lb 4.2 kg

All 1-1/2", 2"  
1-1/4" FT-75, FT-125

## SAMPLE SPECIFICATION

Steam traps shall be of the mechanical ball float type having cast iron bodies, NPT connections, and all stainless steel internals. Incorporated into the trap body shall be a stainless steel balanced pressure thermostatic air vent capable of withstanding 45°F(25°C) of superheat and resisting waterhammer without sustaining damage. Internals of the trap shall be completely servicable without disturbing the piping.

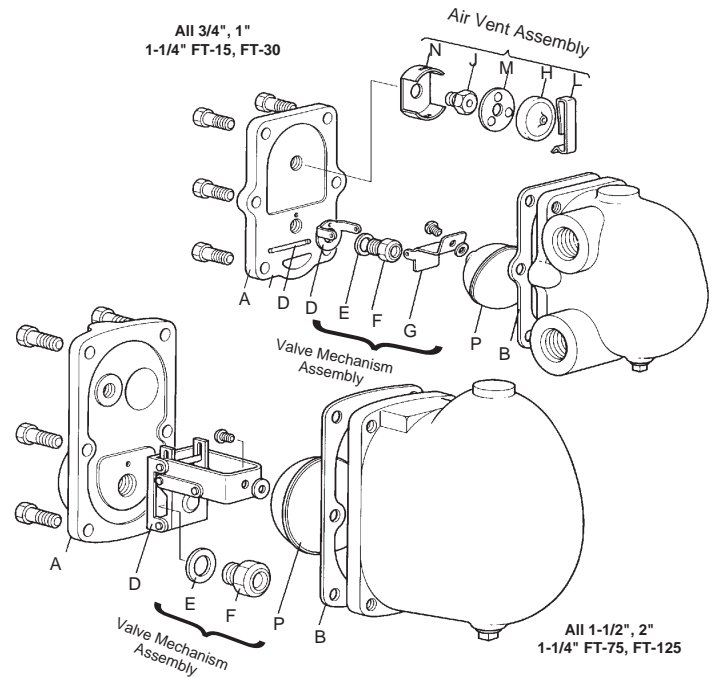
## INSTALLATION

A pipeline strainer should be installed ahead of any steam trap. Full port isolating valves should be placed to permit servicing. The trap should be installed below the drainage point of the equipment with a collecting leg before the trap, in a position so that the float arm is in a horizontal plane so that the float rises and falls vertically, and with the direction of flow as indicated on the body. Refer to IMI 2.300 for complete instructions.

## MAINTENANCE

This product can be maintained without disturbing the piping connections. Complete isolation from both supply and return line is required before any servicing is performed. The trap should be disassembled periodically for inspection and cleaning of the valve head and seat, operating mechanism and air vent.  
Worn or damaged parts should be replaced using a complete valve mechanism assembly and/or air vent assembly.  
**Complete installation and maintenance instructions are given in IMI 2.300, which accompanies the product.**

## SPARE PARTS



Gasket Kit (3 of each)	B, E
Air Vent Kit	H, J, L, M, N
Valve Mechanism Kit (less float)	D, E, F, (G)
Float Kit	P
Replacement Module	A, B, D, E, F, G, H, J, L, M, N, P
3/4", 1", 1-1/4" FT-15 only	(Assembled)

TIS 2.313 US 01.97