spirax sarco

Cast/Ductile Iron Float & Thermostatic Steam Trap FT14, IFT14 and FT14C

1/2" & 3/4"

Sensor Connection stan-

dard with plug sensor

added at installation

FT14C only

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

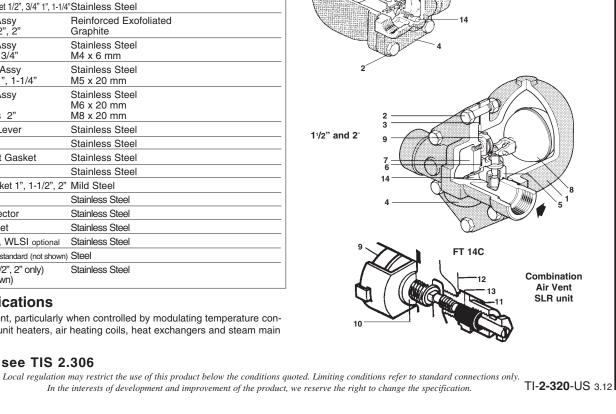
	Model	IFT14-4.5 FT14-4.5	IFT14-10 FT14-10	IFT14-14 FT14-14
-[РМО	65 psig	145 psig	200 psig
	Sizes	IFT 1/2", 3/4", only 1/2", 3/4", 1" HC, 1-1/2", 2"		
	Connections	NPT		
	Construction	1/2", 3/4", 1" HC: Ductile Iron Body 1-1/2", 2": Cast Iron Body All: Stainless Steel Internals		
	Options FT14 only	1/2", 3/4", 1": Combination (C) Air Vent and SLR (steam lock release)		

	nstruction Materials	Material	
1	Body 1/2", 3/4", 1"	Ductile (SG) Iron	DIN 1693 GGG 40
•	1-1/2", 2"	Cast Iron	DIN 1691 GG 25
2	Cover Bolting	Steel	BS 3692 Gr. 8.8
3	Cover Gasket	Nickel Reinforced Exfolia	
4	Cover 1/2", 3/4", 1", 1-1/4"	Ductile (SG) Iron	DIN 1693 GGG 40
	1-1/2", 2"	Cast Iron	
5	Valve Seat 1/2", 3/4"	Stainless Steel	
	Valve Seat 1"	Stainless Steel	
	Main Valve Assy 1-1/2", 2"	Stainless Steel	
6	Valve Seat Gasket 1/2", 3/4" 1", 1-1/4	"Stainless Steel	
	Main Valve Assy Gasket 1-1/2", 2"	Reinforced Exofoliated Graphite	
7	Main Valve Assy Screws 1/2", 3/4"	Stainless Steel M4 x 6 mm	
	Pivot Frame Assy Set Screws 1", 1-1/4"	Stainless Steel M5 x 20 mm	
	Main Valve Assy Bolts 1-1/2" Studs & Nuts 2"	Stainless Steel M6 x 20 mm M8 x 20 mm	
8	Ball Float & Lever	Stainless Steel	
9	Air Vent	Stainless Steel	
10	Air Vent Seat Gasket	Stainless Steel	
11	SLR	Stainless Steel	
12	SLR Unit Gasket 1", 1-1/2", 2"	Mild Steel	
13	SLR Seal	Stainless Steel	
14	Erosion Deflector	Stainless Steel	
15	Sensor Gasket	Stainless Steel	
16	Sensor SSLI, WLSI optional	Stainless Steel	
17	Blanking Plug standard (not shown)	Steel	
18	Inlet Baffle 1-1/2", 2" only) (baffle not shown)	Stainless Steel	

Typical Applications

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

Capacities: see TIS 2.306



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

Cast/Ductile Iron Float & Thermostatic Steam Trap FT14, IFT14 and FT14C

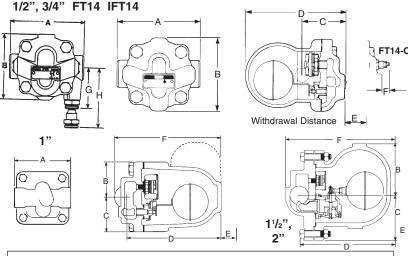
Limiting Operating Conditions

Max operating pressure (PMO) IFT14-4.5 ,FT14-4.5,FT14C-4.5	65 psig (4.5 barg)
Max operating pressure (PMO) IFT14-10, FT14-10, FT14C-10	145 psig (10 barg)
Max operating pressure (PMO) IFT14-14 ,FT14-14, FT14C-14	200 psig (14 barg)

Max operating temperature (TMO) IFT14 ½", ¾" FT14C	482°F(250°C) @ 188 psig (13 barg) 392°F (200°C) @ 200 psig (14 barg)
Max operating temperature (TMO)	482°F(250°C) @ 200 psig (14 barg)

Max operating temperature (TMO) 428°F(220°C) @ 195 psig (13.5 barg) 392°F (200°C) @ 200 psig (14 barg)

14°F (-10°C) Minimum allowable temperature All IFT, FT14, FT14C



Dimensions (nominal) in inches and millimeters D Ε Weight 1/2", 3/4 4.8 4.2 5.8 4.1 6.4 lb 2.6 1.2 2.6 3.9 121 107 67 147 105 30 66 98 2.9 kg 4.7 4.3 3.2 7.7 6.3 8.6 15.0 lb 120 110 80 195 160 220 6.8 kg 1-1/2 10.6 5.1 4.3 9.4 7.9 10.6 38.5 lb 270 130 108 238 200 270 17.5 kg 2" 11.9 5.4 9.8 7.8 11.3 52 lb 300 138 125 250 200 288 24 kg

Sample Specification

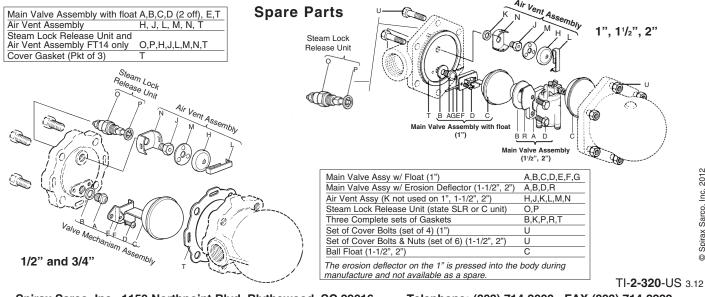
Steam traps shall be of the mechanical ball float type having iron bodies, horizontal line connections, and all stainless steel internals. Incorporated into the trap body shall be a stainless steel balanced pressure thermostatic air vent capable of withstanding 45°F(25°C) of superheat and resisting waterhammer without sustaining damage. Internals of the trap shall be completely servicable without disturbing the piping. (Optional: The trap shall include an adjustable steam lock release unit.) 14C version.

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 and the float rises and falls vertically, with the flow direction as indicated on the body. (The 1/2" and 3/4" FT14 only trap is supplied with right-to-left flow. If left-to-right or vertical flows are required, cover can be rotated as desired.) Refer to IMI 2.300 or IM-FO1-30 for IFT 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, or IM-FO1-30 for IFT which accompanies the product.



O Spirax Sarco, Inc. 2012