

Steam Traps

FTV-270 1"

Ball Float & Thermostatic Steam Trap

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FTV-270 is a Ball float steam trap designed to removal of condensate of steam, recommended for high condensate flow equipments such as evaporators, drying cylinders, air dryers, etc. It can be supplied with Air Vent (EAR) Release as standard or Steam Lock Release (SLR) as optional. It can be easily maintained even when installed, its discharge orifices below the condensate level of steam trap prevent trap against live steam leakage. It can be supplied with screwed connections BSPT (BS 21) or NPT (ANSI-B1.20.1). Flanges according to ANSI-B16.5 class. Contact factory for other connection options.

FEATURES

Product Family	FTV-270
Sizes	1"
Connections	Screwed, Flanged
Body Material	GGG 40.3 Ductile Iron
Options	SLR - Steam Lock Release
PMO Max. Oper. Pressure	250 psig
TMO Max. Oper. Temperature	425 °F

HOW TO ORDER

Specify:

- Model
- Sizes and type of connection

Example: 1 SF International Float Trap model FTV-271 1" body with BSP connections and SLR.

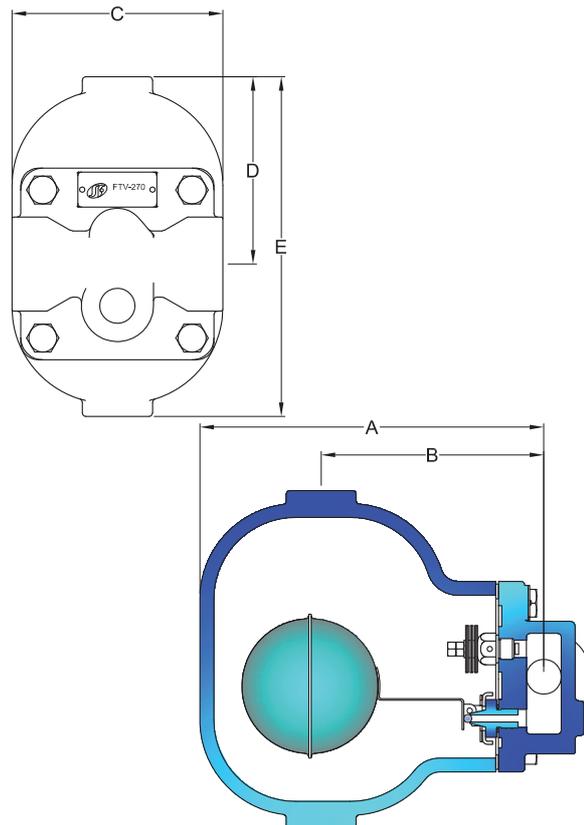
DIMENSIONS & WEIGHT (INCHES & POUNDS)

DN	A	B	C	D	E	Weight	
1"	7.76	5.00	4.72	4.21	7.68	22.04	
DN	A	B	C	D	E	Weight	
Flanged			150#	300#			
1"	7.76	5.00	7.28	8.07	4.21	7.68	24.08



AVAILABLE MODELS

- FTV-271: Max. differential pressure 199 psig
- FTV-272: Max. differential pressure 142 psig
- FTV-273: Max. differential pressure 64 psig



CAPACITY

Model	Sizes	Orifices	DIFFERENTIAL PRESSURE - ΔP (psig) x Q (lb/h)												
			2	5	10	15	20	30	50	60	101	142	175	202	
FTV-271	1"	0.16	293	445	608	730	831	999	1,259	1,367	1,720	2,035	2,213	2,352	
FTV-272	1"	0.22	474	717	979	1,175	1,338	1,607	2,024	2,198	2,769	3,274	-	-	
FTV-273	1"	0.28	1,102	1,667	2,280	2,736	3,117	3,743	4,713	5,117	-	-	-	-	



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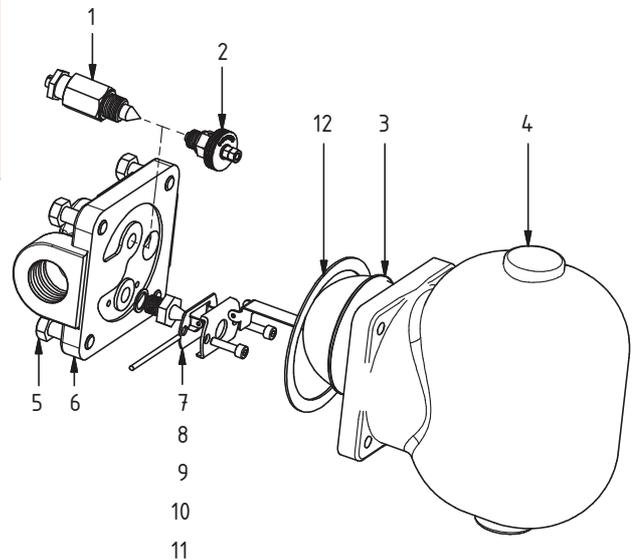
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COMPONENTS AND MATERIALS

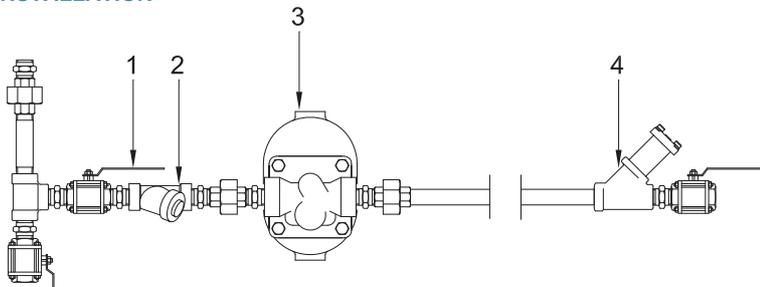
Pos.	Description	Material
1	Steam Lock Release	AISI 304 SS
2	Air Vent	AISI 304 SS
3	Float & Lever Assy	AISI 304 SS
4	Body	GGG 40.3 Ductile Iron
5	Hex. Screw	Carbon Steel 8.8
6	Cover	GGG 40.3 Ductile Iron
7	Seat Support	Spirotallic 316 SS w Graphite
8	Lever Support	AISI 304 SS
9	Stem	AISI 304 SS
10	Seat	AISI 304 SS
11	Round Screw	AISI 304 SS
12	Cover Gasket	Graflex

HOW TO ORDER SPARE PARTS

Model	Description	Pos.	1"
FTV271	Seat Assy	7, 8, 9, 10, 11	9,809
	Float	3	2,280
	Gasket	12	9,814
	Air Vent Assy	2	2,320
	Steam Lock Release Assy	1	10,895
FTV272	Seat Assy	7, 8, 9, 10, 11	9,808
	Float	3	1,253
	Gasket	12	9,814
	Air Vent Assy	2	2,320
	Steam Lock Release Assy	1	10,895
FTV273	Seat Assy	7, 8, 9, 10, 11	9,807
	Float	3	1,255
	Gasket	12	9,814
	Air Vent Assy	2	2,320
	Steam Lock Release Assy	1	10,895



TYPICAL INSTALLATION



Title:	
1	Stop Valve
2	Y Strainer
3	Steam Trap
4	Sight Glass

PRODUCT DISPOSAL

This product is totally recyclable. No ecological hazard is anticipated with the disposal of this product.

SAFETY, INSTALLATION AND MAINTENANCE

For safety, installation and maintenance information see instructions supplied with the product (MI-0102-46).