

STEAM TRAPS

FT Series

Float & Thermostatic Steam Trap

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Model	FT
Sizes	3/4", 1", 1 1/4", 1 1/2", 2"
Connections	NPT
Body Material	Cast Iron
PMO Max. Operating Pressure	75 PSIG
TMO Max. Operating Temperature	Saturated Steam Temperature
PMA Max. Allowable Pressure	75 PSIG up to 450°F
TMA Max. Allowable Temperature	450°F @ 75 PSIG



TYPICAL APPLICATIONS

DRIP, PROCESS: The **FT Series** float and thermostatic steam traps are used for HVAC and light industrial process applications, and can be applied to unit heaters, water heaters, pressing machines, heat exchangers, and coils. These traps have excellent air removal capability making them an excellent choice for HVAC and process applications requiring quick start-up.

HOW IT WORKS

Float and thermostatic steam traps have a float and thermostatic element that work together to remove both condensate and air from the steam system. The float, which is attached to a valve, rises and opens the valve when condensate enters the trap. Air is discharged through the thermostatic air vent to the outlet side of the trap. The thermostatic air vent closes when steam enters the trap.

FEATURES

- **H-pattern design allows piping from either side of the steam trap (there are two inlet ports at top and two outlet ports at bottom)**
- **Float & Thermostatic traps have excellent air handling capability allowing air to be discharged rapidly and steam to enter the system quickly during start up**
- **Welded stainless steel thermostatic air vent resists shock from water hammer**
- **In-line repairable (all internals are attached to cover)**

SAMPLE SPECIFICATION

The trap shall be of float and thermostatic design with cast iron body. Thermostatic element to be welded stainless steel. Float and seating material to be stainless steel. Trap must be in-line repairable.

INSTALLATION

Isolation valves should be installed with trap. The trap must be level and upright for the float mechanism to operate.

MAINTENANCE

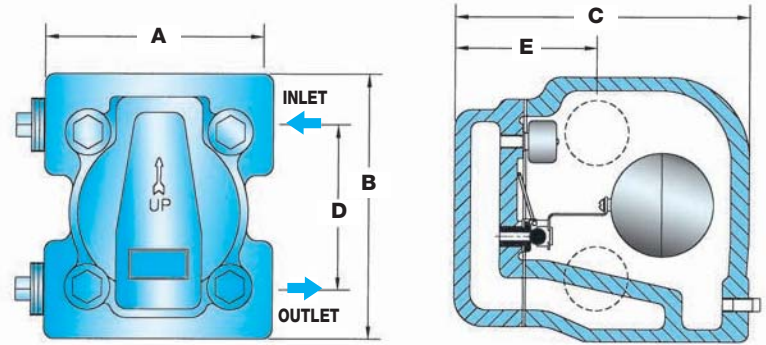
All internal components can be replaced with the trap body in-line. Repair kit includes thermostatic element, valve seat and disc, float and sealing gasket. For full maintenance details see Installation and Maintenance Manual.

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DIMENSIONS & WEIGHTS – inches/pounds						
Model	A	B	C	D	E	Weight (lbs)
FT-3, FT-4, FT-33 FT-34, FT-73, FT-74	4.125	5.00	5.125	3.125	2.75	7.50
FT-6, FT-35, FT-36 FT-75, FT-76	5.00	6.81	6.47	4.125	3.43	13.0
FT-7, FT-37L, FT-77L	6.375	7.68	8.218	5.25	4.41	21.0
FT-8, FT-38, FT-78 FT-S8-15, FT-S8-75	6.50	11.0	8.968	7.468	4.531	40.0



HOW TO SIZE/ORDER

From the capacity chart, select the model that can handle the working pressure of the system (PMO). Select the trap that will meet the capacity requirements at the differential pressure. Example:

Application: 1700 lbs/hr at 30 PSIG working pressure and 5 PSI differential pressure

Size/Model: 1" **FT-35** or 1 1/4" **FT-36**

MATERIALS

CAPACITIES – Condensate (lbs/hr)

Model	PMO (PSIG)	Pipe Size	Orifice Size	Differential Pressure (PSI)																						
				1/4	1/2	1	2	3	5	10	15	20	25	30	40	50	60	75	90	100	125					
FT-3	15	3/4"	9/32"	340	440	600	830	990	1280	1790	2150															
FT-4	15	1"	9/32"	340	440	600	830	990	1280	1790	2150															
FT-6	15	1 1/4"	9/32"	850	1100	1460	2000	2350	2950	4000	4800															
FT-7	15	1 1/2"	1/2"	1300	1700	2050	2550	2900	3500	4400	5300															
FT-8	15	2"	21/32"	2500	3150	4000	5700	6100	6800	8300	9800															
FT-S8-15	15	2"	15/16"	4400	5850	7400	9200	10300	12600	15300	18100															
FT-33	30	3/4"	11/64"	220	300	405	530	650	890	1210	1485	1705	1865	2010												
FT-34	30	1"	11/64"	220	300	405	530	650	890	1210	1485	1705	1865	2010												
FT-35	30	1"	1/4"	450	600	880	1205	1420	1845	2560	3230	3715	4100	4405												
FT-36	30	1 1/4"	1/4"	450	600	880	1205	1420	1845	2560	3230	3715	4100	4405												
FT-37L	30	1 1/2"	7/16"	600	800	1200	1680	2210	2600	3500	4500	5200	5700	6100												
FT-38	30	2"	13/32"	1550	2045	2625	3560	4260	5660	7890	9440	10500	11360	12095												
FT-73	75	3/4"	9/64"	140	195	265	360	430	580	770	990	1110	1210	1290	1430	1560	1680	1830								
FT-74	75	1"	9/64"	140	195	265	360	430	580	710	990	1110	1210	1290	1430	1560	1680	1830								
FT-75	75	1"	#16	270	360	485	660	780	1020	1430	1740	1980	2200	2420	2670	2910	3135	3370								
FT-76	75	1 1/4"	#16	270	360	485	660	780	1020	1430	1740	1980	2200	2420	2670	2910	3135	3370								
FT-77L	75	1 1/2"	5/16"	340	460	690	900	1200	1400	1900	2350	2700	3000	3250	3750	4150	4500	4700								
FT-78	75	2"	5/16"	800	1075	1300	1700	2000	2600	3750	4350	4700	5050	5400	5960	6500	6950	7550								
FT-S8-75	75	2"	13/32"	1360	1800	2100	2800	3300	4300	6300	7300	8000	8500	9000	10000	11000	11600	12500								