

FT Series

Double Inlet/Double Outlet F&T Traps



The FT Series is a group of float & thermstatic traps for use in discharging air and condensate, while preventing steam from entering return piping on steam heating systems and steam process equipment.

- **Responsive thermostatic action** — disc design reduces hinge action to evenly distribute disc motion for enhanced sensitivity to pressure and temperature conditions.
- **Instantaneous valve action** — highly engineered positioning of float valve responds rapidly to prevent steam from entering piping.
- **Continuous condensate discharge** — float-operated discharge valve opens wide to continuously drain condensate.
- **Easy in-line inspection and repair** — all working parts can be inspected, removed, repaired or replaced without disturbing the piping. Removable flush plug on the bottom of the trap permits easy cleaning.

FT Series Float & Thermostatic Traps

Description

Featuring a double inlet/double outlet design, these traps can be piped in and out from either side, providing installation flexibility. Four models are available to meet a variety of pressure requirements:

- Model FT015: differential pressures to 15 psi (1 bar)
- Model FT030: differential pressures to 30 psi (2 bar)
- Model FT075: differential pressures to 75 psi (5 bar)
- Model FT125: differential pressures to 125 psi (8,6 bar)

Specifications

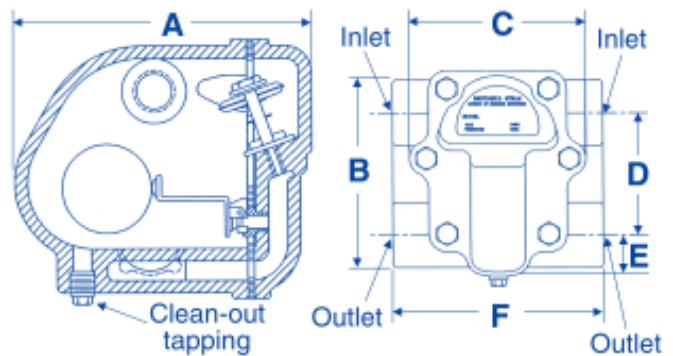
Sizes: 3/4", 1", 1-1/4", 1-1/2", 2" (20, 25, 32, 40, 50 mm)

End Connections: threaded (FNPT); flanged

Materials:

- **Body & Cap:** Cast Iron
- **Thermostatic Disc:** Stainless Steel/Brass
- **Valve & Seat:** Stainless Steel
- **Float & Lever:** Stainless Steel
- **Gasket:** non-asbestos fiber

Dimensions



	3/4" & 1"	1-1/4"	1-1/2" & 2"
A	5-3/4" (146 mm)	6-3/8" (162 mm)	11" (279 mm)
B	5-11/16" (144 mm)	5-3/4" (146 mm)	12" (305 mm)
C	4-7/8" (124 mm)	5-3/8" (137 mm)	8-1/2" (216 mm)
D	3-3/8" (86 mm)	3" (76 mm)	7" (178 mm)
E	1-5/32" (29 mm)	1-3/8" (35 mm)	2" (51 mm)
F	5-13/16" (148 mm)	6-3/4" (171 mm)	8-1/2" (216 mm)
Weight	12# (5,5 kg)	17# (7,7 kg)	48# (22 kg)

Capacity Charts, lbs/hr (kg/hr)

	Model	FT015			FT030			FT075			FT125		
		Size			Size			Size			Size		
		3/4", 1"	1-1/4"	1-1/2", 2"	3/4", 1"	1-1/4"	1-1/2", 2"	3/4", 1"	1-1/4"	1-1/2", 2"	3/4", 1"	1-1/4"	1-1/2", 2"
	Orifice	.313" 7,9 mm	.344" 8,7 mm	1.032" 26,2 mm	.250" 6,3 mm	.313" 7,9 mm	.762" 19,4 mm	.141" 3,6 mm	.188" 4,8 mm	.500" 12,7 mm	.109" 2,8 mm	.141" 3,6 mm	.328" 8,3 mm
Pressure Differential, PSI	.25	600 (272)	750 (340)	6400 (2903)	425 (193)	600 (272)	2575 (1168)	300 (136)	375 (170)	1500 (680)	275 (125)	300 (136)	625 (283)
	.50	825 (374)	1000 (454)	7500 (3402)	600 (272)	825 (374)	4500 (2041)	375 (170)	500 (227)	2750 (1247)	310 (141)	375 (170)	825 (374)
	1	1000 (454)	1200 (544)	9300 (4218)	750 (340)	1000 (454)	5650 (2563)	425 (193)	600 (272)	3500 (1588)	350 (159)	425 (193)	1100 (499)
	2	1225 (556)	1400 (635)	13000 (5897)	900 (408)	1225 (556)	8750 (3969)	500 (227)	710 (322)	4750 (2154)	390 (177)	525 (238)	1550 (703)
	5	1575 (714)	1900 (862)	16500 (7484)	1250 (567)	1575 (714)	11800 (5352)	625 (283)	935 (424)	6300 (2858)	450 (204)	625 (283)	2100 (953)
	10	1875 (850)	2300 (1043)	21000 (9525)	1500 (680)	1875 (850)	14500 (6577)	725 (329)	1050 (476)	7750 (3515)	500 (227)	725 (329)	3000 (1361)
	15	2175 (987)	2700 (1225)	24000 (10886)	1725 (782)	2175 (987)	17500 (7938)	825 (374)	1225 (556)	9250 (4196)	540 (245)	825 (374)	3500 (1588)
	20	Out of Operating Range			1900 (862)	2500 (1134)	19500 (8845)	900 (408)	1375 (624)	10500 (4763)	600 (272)	900 (408)	3900 (1769)
	25				2050 (930)	2750 (1247)	20600 (9344)	975 (442)	1525 (692)	12250 (5556)	660 (299)	975 (442)	4200 (1905)
	30				2300 (1043)	3000 (1361)	21600 (9798)	1100 (499)	1675 (760)	12500 (5670)	725 (329)	1100 (499)	4400 (1996)
	40				1200 (544)	1825 (828)	13500 (6124)	850 (386)	1200 (544)	5000 (2268)			
	50				1350 (612)	1950 (884)	14500 (6577)	1000 (454)	1350 (612)	5500 (2495)			
	60				1500 (680)	2100 (952)	15500 (7031)	1100 (499)	1500 (680)	6250 (2835)			
	75				1650 (748)	2400 (1088)	17000 (7711)	1280 (581)	1650 (748)	6750 (3062)			
	90				1410 (640)	1825 (828)	7500 (3402)						
100	1500 (680)				1900 (862)	7750 (3515)							
125	1650 (748)				2100 (953)	8700 (3946)							

Note: capacities are continuous discharge capacities in pounds of condensate per hour [kg/hr shown in ()] at pressure differential indicated, determined by tests conducted according to ASME Performance Test Code 39.1-1980. Apply safety factor as required per application. Refer to "Sizing & Selection Specification Sheet." Condensate within 5°F (-15°C) of steam temperature.