



MARSHALL ENGINEERED PRODUCTS CO.

FORM 1515J

STEAM SPECIALTIES

Float and Thermostatic Trap, 54 Series with Stainless Steel Internals

APPLICATION

The MEPCO Series 54, Float & Thermostatic Trap with Stainless Steel internals, is applicable to all types of steam heating systems and steam process equipment. These traps operate efficiently for low pressure applications and up to 125 PSI for higher pressure applications. Their purpose is to discharge air and water and to prevent steam from entering the return piping.

These traps are manufactured in four sizes (3/4", 1", 1-1/4" & 1-1/2") for handling capacities of 600 to 4,300 lbs. of condensate per hour. Four (4) possible connections allow a greater flexibility in piping. These traps can be piped in and out from either side, four piping combinations depending on your particular needs.



Series 54 Float & Thermostatic Trap
(Double Inlet/Outlet with Stainless Steel Internals)

FEATURES & BENEFITS

1. Simple, rugged construction. This MEPCO trap consists of a body, cover and float valve assembly. Body and cover are cast iron; all working parts are made of non-corrosive metals especially adapted for this service.

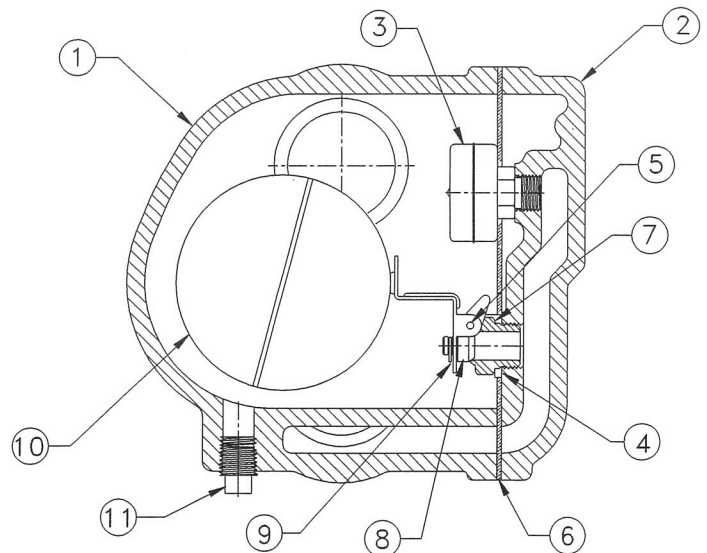
2. Instantaneous valve action. Design of the float valve assembly permits rapid and positive valve action. Location of the valve assures a deep water seal at all times.

3. Continuous rapid flow of water. A lever operated discharge valve opens wide so that large volumes of water can flow continuously from trap.

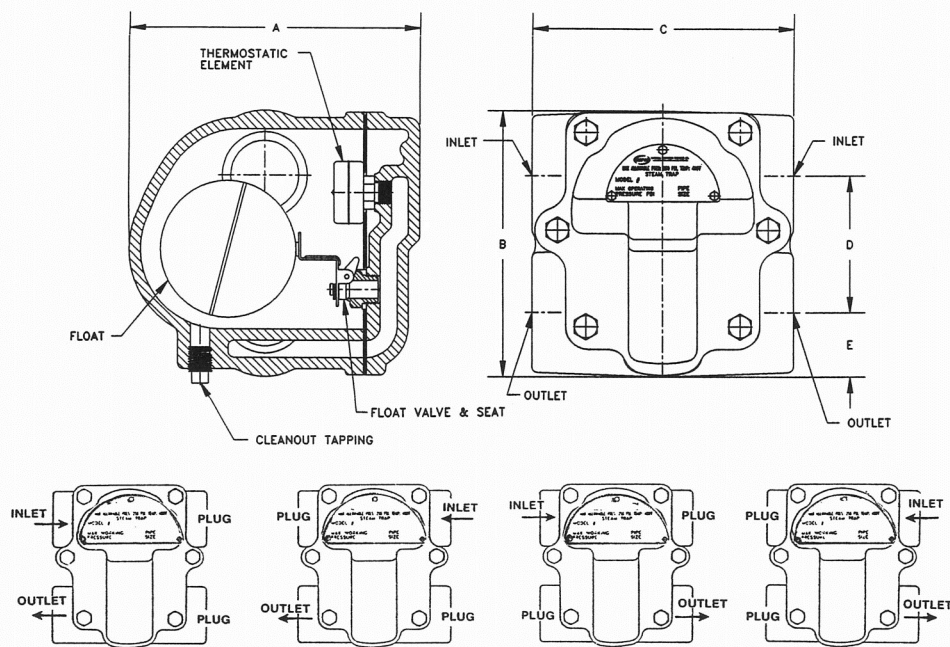
4. Minimum maintenance. All working parts may be inspected, removed or repaired without disturbing piping connections. Clean-out plug at bottom of trap body permits easy flushing of dirt.

PARTS/MATERIALS - 54 series trap

ITEM	PART	MATERIAL
1	Body	Class 30 Cast Iron
2	Cap	Class 30 Cast Iron
3	Thermal Disc	Stainless Steel
4	Hinge	Stainless Steel
5	Pin, hinge	Stainless Steel
6	Gasket	Non-asbestos Fiber
7	Seat	Stainless Steel
8	Valve	Stainless Steel
9	Clip	Stainless Steel
10	Lever & Float	Stainless Steel
11	Plug 1 /4" NPT	Stainless Steel



Dimensions and Capacities



TRAP		DIMENSIONS							NET
NO.	TAPPING	A	B	C	D	E	F	G	WGT.(LB)
54-2	3/4"	5-3/4	5-11/16	4-7/8	3-3/8	1-5/32	5-13/16	--	12
54-4	1"	5-3/4	5-11/16	4-7/8	3-3/8	1-5/32	5-13/16	--	12
54-5	1-1/4"	6-3/8	5-3/4	5-3/8	3	1-3/8	6-3/4	--	17
54-7	1-1/2"	6-3/8	5-3/4	5-3/8	3	1-3/8	6-3/4	--	17

Capacities

	Model -215A		-230A		-275A		-2125A					
	No. -415A	-515A	-715A	-430A	-530A	-730A	-475A	-575A	-775A	-4125A	-5125A	-7125A
NPT Size	3/4"/1"	1-1/4"	1-1/2"	3/4"/1"	1-1/4"	1-1/2"	3/4"/1"	1-1/4"	1-1/2"	3/4"/1"	1-1/4"	1-1/2"
Orifice	.313	.344	.391	.250	.313	.391	.141	.188	.219	.109	.141	.172
1/4	600	750	980	425	600	800	300	375	400	275	300	350
1/2	825	1,000	1,365	600	825	1,100	375	500	525	310	375	450
1	1,000	1,200	1,855	750	1,000	1,450	425	600	675	350	425	550
2	1,225	1,400	2,410	900	1,225	1,800	500	710	825	390	525	650
5	1,575	1,900	3,150	1,250	1,575	2,400	625	935	1,075	450	625	800
10	1,875	2,300	3,750	1,500	1,875	2,900	725	1,050	1,250	500	725	950
15	2,175	2,700	4,075	1,725	2,175	3,400	825	1,225	1,425	540	825	1,050
20				1,900	2,500	3,750	900	1,375	1,575	600	900	1,150
25				2,050	2,750	4,050	975	1,525	1,725	660	975	1,275
30				2,300	3,000	4,300	1,000	1,675	1,850	725	1,100	1,400
40							1,200	1,825	2,000	850	1,200	1,500
50							1,350	1,950	2,200	1,000	1,350	1,625
60							1,500	2,100	2,400	1,100	1,500	1,780
75							1,650	2,400	2,700	1,280	1,650	1,950
90										1,410	1,825	2,100
100										1,500	1,900	2,275
125										1,650	2,100	2,500

Capacities given are continuous discharge capacities in pounds of condensate per hour at pressure differential indicated, determined from tests conducted according to ASME Performance Test Code 39.1-1980. Apply a safety factor as required per application. Condensate within 5 degrees of steam temperature.

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