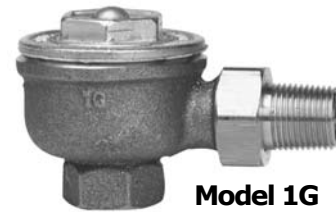
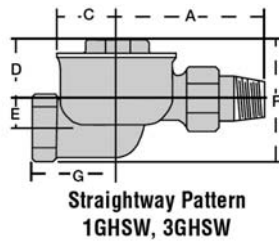
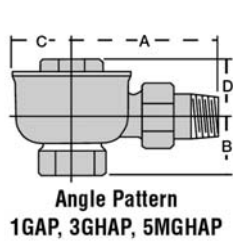
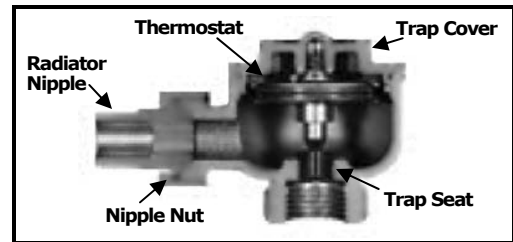
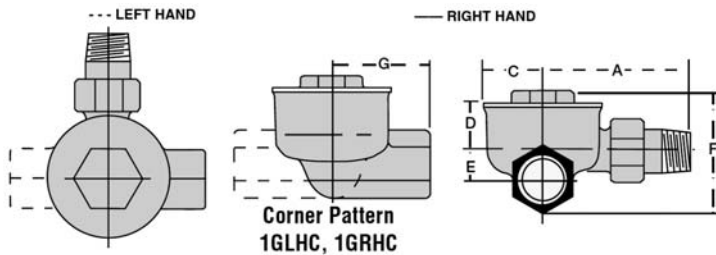


Illinois Radiator Traps and Repair Parts



Model 1G



Complete Steam Traps				
Model No.	Pipe Size	Max. Press. lbs/psi	Trap Pattern	ORDER NO.
1G	1/2"	25	90° Angle	ID1030
1GHSW	1/2"		Straight	ID1035
1GLHC	1/2"		Left Hand	ID1031
1GRHC	1/2"		Right Hand	ID1032
1VG	1/2"		90° Angle	ID1033
1VGDU	1/2"		Straight	ID1034
3GH	3/4"		90° Angle	ID1040
3GHSW	3/4"		Straight	ID1045
3G	3/4"		90° Angle	N/A
1MG	1/2"		65	Vertical, Single Union
1MG	1/2"	Vertical, Double Union		N/A
1MG	1/2"	90° Angle		ID1036
1MG	1/2"	Straight		ID1037
3MG	3/4"	90° Angle		ID1043
3MGH	3/4"	Straight		ID1044
4G&5G	1"	90° Angle		N/A
5MGH	1"	90° Angle		ID1046

Related Repair Parts				
Trap Cover	Thermostat	Trap Seat	Radiator Nipple	Radiator Nipple Nut
IE1005	IE1020	IE1085	IE1006	IE1007
			IE1011	IE1012
IE1010	IE1025	IE1090	IE1011	IE1012
IE1019	IE1022	IE1085	IE1006	IE1007
			IE1006	IE1007
			IE1006	IE1007
			IE1011	IE1012
			IE1011	IE1012
IE1015	IE1030	IE1095	IE1017	IE1018
IE1016	IE1031	IE1090	IE1017	IE1018

Trap Dimensions								
Model No.	Pattern	A	B	C	D	E	F	G
1G, 1MG	All	2-7/8	1-1/8	1-3/16	1-3/8	9/16	2-5/8	1-5/8
1VG	Vertical, Single Union	Schematic diagram <u>not</u> pictured. Traps no longer available.						
1VGDU	Vertical, Double Union							
3GH, 3MGH	Angle	3-1/8	1-3/8	1-3/16	1-5/8	—	—	—
3GH, 3MGH	Straight	3-1/8	—	1-3/16	1-9/16	3/8	2-3/4	1-7/8
5MGH	Angle	3-5/8	1-1/2	1-1/2	1-3/4	—	—	—

Illinois Series "G" Float & Thermostatic Traps



Illinois series G:

The Illinois Style "G" F&T traps utilize a standard upright brass "bucket," as the floating mechanism, as shown in the picture to the left. This style of Float & Thermostatic trap is somewhat unusual, but don't let that fool you. They are very robust and have a reputation for lasting a good long time.

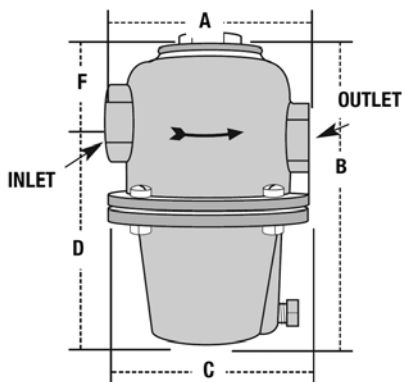
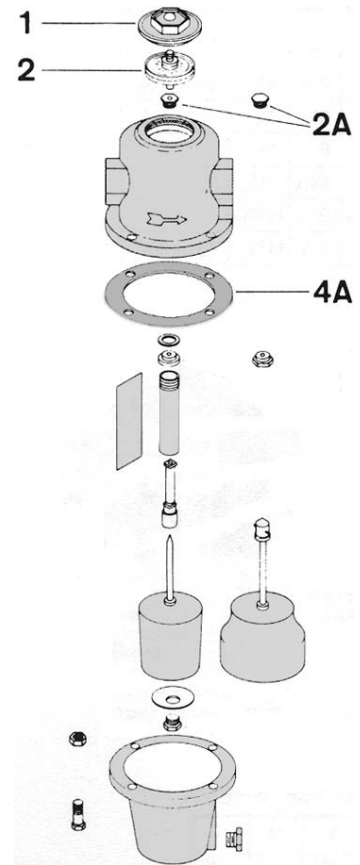
For reference purposes:

The "H" model float and thermostatic traps, along with their repair parts, are no longer made. These obsolete traps employed the more common round stainless steel ball as the floating mechanism and handled higher capacities of water than the Series "G" traps.

REBUILD KITS include all the parts shown below except the body castings.

Parts no. 1, 2, 2A and 4A can be purchased separately

Complete Steam Traps				Related Repair Parts				
Model No.	Pipe Size	Maxi Press. lbs/psi	ORDER NO.	2. Air Vent	2A. Seat	4A. Gasket	1. Cover	Rebuild Kit
6G-15	3/4"	15	ID1005	IE1020		IE1035		IE1055
7G-15	1"		ID1010			IE1040		IE1060
8G-15	1 1/4"		ID1015			IE1040		IE1065
91G-15	1 1/2"		ID1020			IE1045		IE1070
101G-15	2"		ID1025			IE1050		IE1075
111MG-15	2"		ID1028			IE1051		IE1080
7MG-30	1"	30	ID1011			IE1040	IE1005	Factory Order
8MG-30	1 1/4"		ID1016			IE1040		
91MG-30	1 1/2"		ID1021			IE1045		
101MG-30	2"		ID1026			IE1050		
111MG-30	2"		ID1029			IE1051		
6MG-50	3/4"	50	ID1006	IE1022		IE1035		CALL!
7MG-50	1"		ID1012			IE1040		
8MG-50	1 1/4"		ID1017			IE1040		
91MG-50	1 1/2"		ID1022			IE1045		
101MG-50	2"		ID1027			IE1050		
111MG-50	2"		ID1029A			IE1051		



Trap Dimensions							
Model No.	Pipe Size	A	B	C	D	E	F
6	3/4"	4-1/2	6-1/2	4-1/2	4-5/16	5/16	1-7/8
7	1"	5-1/2	7-7/8	5 1/2	5-5/8	3/16	2-1/16
8	1 1/4"	5-1/2	8	6	5-1/2	1/2	2
91	1 1/2"	7-5/8	11-3/4	8 9/16	9-1/16	1/2	2-3/16
101	2"	9-5/16	13-3/4	10 3/8	11	1/2	2-3/8
111	2"	10-3/8	15-1/4	11 5/8	11-7/8	5/8	2-3/4

Illinois Series "G" Float & Thermostatic Traps

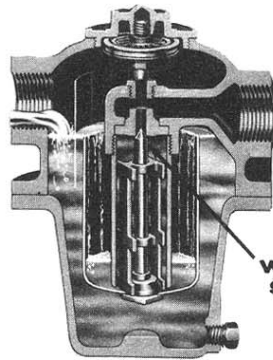


The Illinois "G" series of float and thermostatic traps use both an open bucket design that floats within the steam trap chamber, and a straight-trough piping design. Unlike actual bucket traps which use an inverted" bucket operation, the "open" bucket floats within the chamber. Many people confuse this design with a traditional bucket trap.

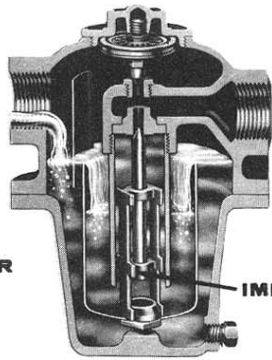
Please review the diagrams below to view the operation of the trap.

Straight Thru Piping

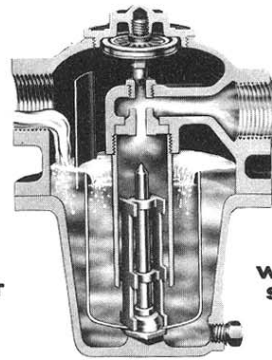
An alternative to the open bucket design of floating trap is the traditional float and thermostatic trap. Now made in a special straight-through piping design, these traps can be found on the preceding pages under the Hoffman and Barnes & Jones brands of steam traps.



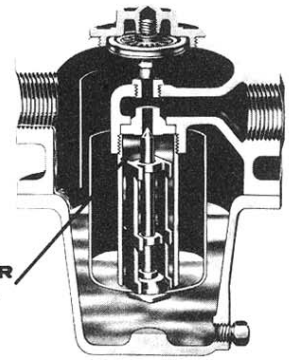
A. FLOAT UP — VALVE CLOSED



B. FLOAT FALLING — IMPACT OPENS VALVE



C. FLOAT DOWN — TRAP DISCHARGING



D. FLOAT RISES — VALVE SNAPS SHUT

Illinois Float & Thermostatic Trap Capacities

Trap No.	Differential Pressures in lbs/psi								
	1/2	1	2	5	10	15	20	30	50
6G-15	100	140	200	210	220	230	—	—	—
7G-15	250	350	500	525	550	575	—	—	—
8G-15	600	850	1200	1260	1320	1380	—	—	—
91G-15	1200	1700	2400	2520	2640	2760	—	—	—
101G-15	2500	3550	5000	5250	5500	5750	—	—	—
111MG-15	2900	3920	5200	7600	10100	12000	—	—	—
6MG-50	69	92	122	180	240	285	320	380	—
7MG-30	127	170	228	335	445	530	600	700	—
8MG-30	210	280	375	550	740	870	980	1160	—
91MG-30	700	940	1250	1850	2450	2930	3300	3900	—
101MG-30	890	1180	1580	2340	3120	3700	4150	4900	—
111MG-30	1750	2340	3120	4600	6100	7200	8200	9700	—
6MG-50	69	92	122	180	240	285	320	380	470
7MG-50	108	143	190	280	375	440	500	590	730
8MG-50	138	182	245	355	475	565	630	750	920
91MG-50	480	640	860	1260	1680	2000	2250	2670	3300
101MG-50	610	820	1100	1600	2140	2520	2841	3350	4150
111MG-50	850	1140	1520	2220	2950	3500	3950	4700	5800