

# Inverted Bucket Steam Traps *New Design*

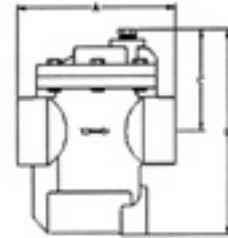
**SERIES 800**



Marsh's Inverted Bucket Traps provides efficient condensate drainage for all steam equipment. Reliability and ruggedly constructed, our Bucket Trap allows for minimal repair, maintenance or labor related costs.

**Usages:**

- Oil Pre-heaters
- Converters
- Steam Cookers
- Dryers
- High-Pressure Drip
- Laundry Equipment
- Process Equipment



Series 800

**Capacity Chart (800)**

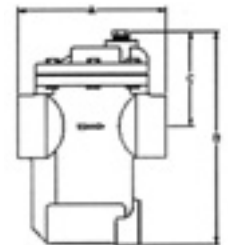
Differential Pressure PSI	Orifice Size (In.)	Model 800
1/4	3/16	139
1/2	3/16	200
3/4	3/16	240
1	3/16	270
2	3/16	340
3	3/16	390
4	3/16	425
5	3/16	450
10	3/16	560
15	3/16	640
20	3/16	690
25	1/8	460
30	1/8	500
40	1/8	550
50	1/8	580
60	1/8	635
70	1/8	660
80	1/8	690
100	#38	500
125	#38	550
150	#38	570
180	—	—
200	—	—
225	—	—
250	—	—

**Capacity Chart (810)**

Differential Pressure PSI	Orifice Size (In.)	Model 810
1/4	1/4	191
1/2	1/4	300
3/4	1/4	395
1	1/4	450
2	1/4	590
3	1/4	680
4	1/4	750
5	1/4	830
10	1/4	950
15	1/4	1060
20	5/32	585
25	5/32	655
30	5/32	710
40	5/32	770
50	5/32	840
60	5/32	900
70	5/32	950
80	1/8	800
100	1/8	860
125	1/8	950
150	38#	660
180	38#	670
200	38#	700
225	38#	730
250	38#	760

**Features:**

- High Strength Cast Iron Body
- Hardened Stainless Steel Valve & Seat
- Stainless Steel Bucket
- Test Plug
- Low Maintenance



Series 801

**Materials:**

- Body & Cover - Cast Iron-ASTM-A-126-7/Class B
- Bucket & Linkage - Stainless Steel
- Valve & Seat - Hardened Stainless Steel
- Standpipe - Steel Pipe
- Cover Gasket - Non-Asbestos

As the system starts, air and non-condensable gases vent through the orifice in the bucket; condensate also enters through the standpipe which forms a water seal in the bottom of the bucket. When steam enters the trap a simple lever mechanism attached to the inverted bucket snaps shut; then as the steam condenses the buoyancy of the bucket changes thus opening the lever mechanism, allowing pressure to force the condensate out of the trap. This process repeats itself exactly and continuously to maximize the efficient use of energy. No cooling leg required. Refer to capacity charts when ordering.

Model Number	Size (in.) NPT	Weight (lbs.)	Dimensions		
			A	B	C
8080	1/2	5.5	5.000	6.625	3.250
8080	3/4	5.5	5.000	6.625	3.250
8181	1/2	6	5.000	7.625	3.250
8181	3/4	6	5.000	7.625	3.250
8181	1	6	5.000	7.625	3.250