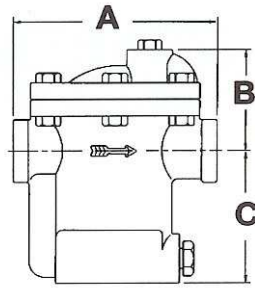
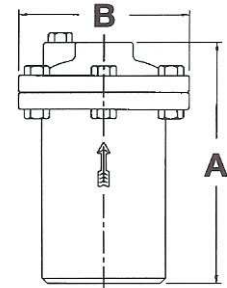


# INVERTED BUCKET STEAM TRAPS – CB Series



Series CB8



Series CB2

## FEATURES

- Hardened stainless steel valve and seat
- Stainless steel bucket
- Integral stainless steel screen (In CB80, 81, 82 and 83 only)
- Repairable in-line
- Repair kits and mechanisms will fit not only Colton series CB8 and CB2 bucket traps, but also to fit Armstrong 800 and 200 series bucket traps
- Horizontal or vertical style bodies are suitable for wide variety of applications
- Resists dirt and scale

## RATINGS

PMO: (maximum operating pressure)	See orifice selection
TMO: (maximum operating temperature)	Saturated at PMO
PMA: (maximum allowable pressure)	250 psi
TMA: (maximum allowable temperature)	450°F

## MATERIALS

Part	Description
Cover	Cast Iron ASTM-A126/A48
Body	Cast Iron ASTM-A126/A48
Mechanism	Stainless Steel
Screen	Stainless Steel (In CB80, 81, 82 and 83 only)
Bucket	Stainless Steel
Gasket	Non-Asbestos Fiber
Cover Bolts	Steel

## DIMENSIONS AND WEIGHTS

Model	NPT		A		B		C		WEIGHT	
	mm	in	mm	in	mm	in	mm	in	Kg	lbs
CB80	15 or 20	1/2 or 3/4	129	5-1/16	95	3-3/4	89	3-1/2	3.2	7
CB81	15, 20 or 25	1/2, 3/4 or 1	129	5-1/16	95	3-3/4	113	4-7/16	3.6	8
CB82	15 or 20	1/2 or 3/4	178	7	98	3-7/8	138	5-7/16	10	22
CB83	20, 25, 32	3/4, 1 or 1-1/4	206	8-1/8	127	5	194	7-5/8	14.5	32
CB84	25 or 32	1 or 1-1/4	229	9	146	5-3/4	199	7-13/16	21.3	47
CB85	40 or 50	1-1/2 or 2	260	10-1/4	203	8	213	8-3/8	33.6	74
CB86	50 or 65	2 or 2-1/2	330	13	248	9-3/4	279	11	63.5	140
CB21	15	1/2	162	6-3/8	108	4-1/4	—	—	2.9	6.5
CB22	15 or 20	1/2 or 3/4	203	8	143	5-5/8	—	—	7.3	16
CB23	20 or 25	3/4 or 1	267	10-1/2	175	6-7/8	—	—	12.7	28
CB24	25 or 32	1 or 1-1/4	318	12-1/2	190	7-1/2	—	—	15.9	35
CB25	25, 32 or 40	1, 1-1/4 or 1-1/2	365	14-3/8	230	9-1/16	—	—	27.2	60
CB26	40 or 50	1-1/2 or 2	424	16-11/16	260	10-1/4	—	—	40.8	90

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# INVERTED BUCKET STEAM TRAPS – CB Series



## MAXIMUM CAPACITY – lbs/hr. (continuous discharge)

Model	Orifice Size/ Maximum ΔP		PSI Differential																
			1	5	10	15	20	30	40	50	60	70	80	100	125	150	180	200	250
CB80	3/16"	20 psi	270	450	560	640	690	-											
	1/8"	80 psi	110	200	300	360	420	500	540	580	620	660	690						
	7/64"	125 psi	55	90	145	195	260	345	400	440	485	525	565	640	680				
	3/32"	150 psi	-	70	110	150	200	270	310	345	380	410	440	480	540	570			
CB81/ CB21	1/4"	15 psi	450	830	950	1060													
	3/16"	30 psi	300	540	670	770	880	1000											
	5/32"	70 psi	165	180	430	495	585	710	770	840	900	950							
	1/8"	125 psi	130	220	340	390	460	560	610	660	710	760	800	860	950				
	7/64"	200 psi	65	150	230	275	335	405	455	495	545	580	610	665	735	810	850	860	
	3/32"	250 psi	-	100	150	190	240	290	340	380	420	450	470	520	575	620	670	700	760
CB82/ CB22	5/16"	15 psi	850	1600	1900	2100													
	1/4"	30 psi	500	950	1380	1630	1800	2050											
	3/16"	70 psi	420	785	950	1120	1260	1500	1700	1850	2000	2200							
	5/32"	125 psi	300	560	680	800	900	1070	1220	1310	1440	1550	1650	1800	2000				
	1/8"	200 psi	180	325	465	505	575	710	805	895	980	1050	1105	1225	1375	1500	1560	1600	
	7/64"	250 psi	130	240	340	370	420	520	590	645	720	770	810	900	1010	1100	1170	1230	1300
CB83/ CB23	1/2"	15 psi	1880	2900	3500	3900													
	3/8"	30 psi	1400	2300	2700	3300	3500	4000											
	5/16"	60 psi	940	1730	2045	2510	2825	3135	3800	4100	4400								
	9/32"	80 psi	735	1350	1595	1960	2205	2450	2880	3190	3490	3800	4000						
	1/4"	125 psi	600	1100	1300	1600	1800	2000	2350	2575	2850	3100	3300	3600	3900				
	7/32"	180 psi	490	860	1165	1350	1595	2085	2205	2375	2510	2695	2820	3065	3185	3500	3700		
	3/16"	250 psi	400	700	950	1100	1300	1700	1800	1925	2050	2200	2300	2500	2600	2800	3020	3200	3500
CB84/ CB24	5/8"	15 psi	2900	4800	5800	6500													
	1/2"	30 psi	2250	3700	4750	5200	6000	6800											
	3/8"	60 psi	1750	2950	3550	4000	4700	5400	5800	6300	6800								
	11/32"	80 psi	1560	2500	2900	3200	3500	4400	4850	5300	5750	6000	6400						
	5/16"	125 psi	1200	1950	2450	2750	3100	3500	4000	4400	4800	5250	5600	6200	6700				
	9/32"	180 psi	950	1500	1900	2200	2350	2900	3250	3500	3800	4250	4500	4800	5500	5700	6000		
	1/4"	250 psi	580	1000	1250	1450	1800	2200	2600	2850	3150	3350	3500	3800	4300	4700	5000	5300	5700
CB85/ CB25	3/4"	15 psi	4160	7600	9000	10000													
	9/16"	30 psi	2900	5200	6400	7700	8500	9800											
	7/16"	60 psi	2200	3800	5000	6000	6600	7600	8300	8900	9500								
	3/8"	100 psi	1700	3000	3600	4500	5200	6100	7000	7750	8500	9200	9700	10400					
	11/32"	130 psi	1500	2600	3200	3900	4500	5400	6200	6850	7500	8050	8500	9600	10900				
	5/16"	180 psi	1200	2100	2600	3200	3700	4500	5400	6000	6600	7000	7257	8118	8979	9500	10000		
	9/32"	225 psi	970	1700	2100	2600	2950	3600	4500	4950	5400	5700	5900	6600	7300	7850	8400	9200	
	1/4"	250 psi	700	1200	1500	1900	2100	2600	3200	3500	3800	4000	4150	4600	5100	5500	5950	6350	7000
CB86/ CB26	1-1/16"	15 psi	8400	14500	17300	19200													
	7/8"	25 psi	5490	10000	12930	15620	18500												
	3/4"	40 psi	4500	8200	10600	12800	15000	18000	20000										
	5/8"	60 psi	3500	6900	8700	10600	12100	14250	16300	18000	19800								
	9/16"	80 psi	3095	6000	7600	9300	10600	12500	14300	15800	17300	18300	19000						
	1/2"	125 psi	2600	5000	6400	7800	8900	10500	12000	13250	14500	15400	16300	18000	20000				
	7/16"	180 psi	2210	4180	5530	6640	7500	9230	10450	11200	12420	13300	14150	15750	17400	18500	20000		
	3/8"	250 psi	1800	3400	4500	5400	6100	7500	8500	9250	10100	10800	11500	12800	14200	15600	16900	17500	19000

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