



Cast Iron Inverted Bucket Steam Trap B Series Capacities Chart

Capacities lb/hr for Kg/Hr, multiply Lb/Hr by .454

Trap Size		1/2" - 3/4"	3/4"	1"	1-1/4"	2"
Differential Pressure Range 1 – 15 psi	Model No. →	B1H-15	B2-15	B3-15	B4-15	B5-15
	Orifice →	1/4"	3/8"	1/2"	5/8"	1-1/16"
	1 psi	665	1700	2140	3940	11,600
	2 psi	715	1920	2330	4090	12,100
	3 psi	755	2110	2600	4350	13,200
	5 psi	835	2370	2920	4980	14,700
	10 psi	960	2810	3590	5990	17,800
15 psi	1040	3220	3900	6560	20,000	
5 – 30 psi	Model No. →	B1H-30	B2-30	B3-30	B4-30	B5-30
	Orifice →	3/16"	5/16"	3/8"	1/2"	3/4"
	5 psi	615	1920	2340	4150	10,000
	10 psi	715	2260	2840	4930	12,100
	15 psi	810	2580	3230	5680	14,000
	20 psi	895	2870	3630	6200	15,600
	25 psi	945	3060	3900	6720	17,100
30 psi	1000	3220	4120	7140	18,500	
10 – 75 psi	Model No. →	B1H-75	B2-75	B3-75	B4-75	B5-75
	Orifice →	5/32"	1/4"	9/32"	3/8"	9/16"
	10 psi	500	1250	1970	3840	9,860
	20 psi	610	1600	2500	4720	12,400
	30 psi	705	1850	2860	5470	13,900
	40 psi	770	2000	3120	6080	15,200
	60 psi	905	2350	3640	7150	17,900
75 psi	965	2550	3960	7570	19,200	
20 – 125 psi	Model No. →	B1H-125	B2-125	B3-125	B4-125	B5-125
	Orifice →	1/8"	13/64"	1/4"	11/32"	1/2"
	20 psi	446	1100	2080	4450	10,800
	40 psi	600	1220	2600	5530	12,500
	60 psi	695	1700	3020	6350	15,600
	80 psi	765	1900	3380	7110	17,100
	100 psi	830	2080	3640	7750	18,900
125 psi	920	2240	4100	8540	20,000	
60 – 180 psi	Model No. →	B1H-180	B2-180	B3-180	B4-180	B5-180
	Orifice →	3/32"	5/32"	7/32"	9/32"	7/16"
	60 psi	585	1500	2580	4250	13,650
	80 psi	642	1700	2830	4730	15,100
	100 psi	703	1800	3070	5080	16,600
	125 psi	765	1940	3380	5680	18,400
	150 psi	816	2100	3580	5980	19,100
180 psi	867	2220	3780	6300	20,500	
125 – 250 psi	Model No. →	B1H-250	B2-250	B3-250	B4-250	B5-250
	Orifice →	.070"	9/64"	3/16"	1/4"	3/8"
	125 psi	562	1825	2760	4730	15,000
	150 psi	600	1940	2910	4980	16,100
	175 psi	630	2060	3120	5130	16,800
	200 psi	665	2120	3380	5500	17,800
	225 psi	695	2240	3460	5780	18,900
250 psi	720	2300	3630	6040	19,400	

Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only.
In the interests of development and improvement of the product, we reserve the right to change the specification.

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Cast Iron Inverted Bucket Steam Trap B Series Capacities Chart

How to Select

The tables overleaf show the maximum capacities on continuous discharge of condensate approximately at steam temperature. Cold water discharge capacities are much higher.

When calculating the capacity requirement for the steam trap, use a safety factor of 2 or 3 times the normal load, depending on the application. Then from the capacity table overleaf, select the trap with the required capacity and pressure range. Caution: Oversizing bucket traps, especially on light load applications such as main drips, can cause the trap to lose its seal and pass steam.

Be careful to select the inverted bucket trap with a seat suitable for the maximum pressure differential and with sufficient capacity to handle the load at the minimum expected pressure differential. The trap will not open if subjected to pressures greater than the maximum differential pressure.

The capacity table also applies to traps with optional air vents (B12H, B22, etc.)