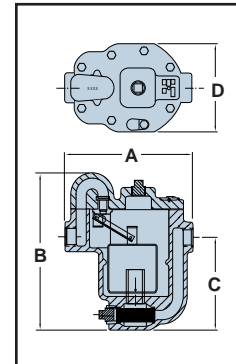


## Inverted Bucket Steam Traps (continued)

### Series B BEAR TRAP®

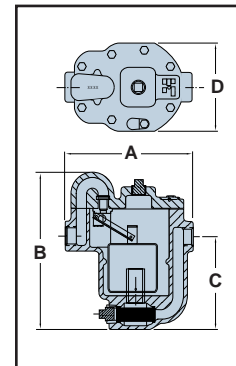
#### Series B3

- Available in sizes ¾" and 1" NPT and BSPT
- Meets Mil specification WW-T-696-E Type I, Style B, Class 1-7
- Removable covers for easy in-line service
- Stainless steel internal components
- Resistant to moderate water hammer
- Optional built-in thermic vent for faster heating
- Optional built-in strainer to reduce the number of piping connections
- Maximum capacities to 5000 lbs/hr (2268 kg/hr.)
- Maximum temperature 450°F (230°C)
- Maximum operating pressure 250 psig (17.3 bar)



#### Series B4

- Available in sizes 1", 1¼", 1½" NPT and BSPT
- Meets Mil specification WW-T-696-E Type I, Style B, Class 1-7
- Removable covers for easy in-line service
- Stainless steel internal components
- Resistant to moderate water hammer
- Optional built-in thermic vent for faster heating
- Optional built-in strainer to reduce the number of piping connections
- Maximum capacities to 9424 lbs/hr (4275 kg/hr.)
- Maximum temperature 450°F (230°C)
- Maximum operating pressure 250 psig (17.3 bar)



#### Materials of Construction

Part	Specifications
Body and cover	Cast Iron 30,000 psi tensile
Valve Pin and Seat	Stainless Steel (Hardened)
Bucket	Stainless Steel
Lever Assembly	Stainless Steel
Cover Bolts	Grade 5 Steel

#### Dimensions in. (mm)

Series	Size	A	B	C	D
B3	¾, 1	9 <sup>7</sup> / <sub>16</sub> (239)	11 <sup>5</sup> / <sub>8</sub> (294)	6 <sup>7</sup> / <sub>8</sub> (174)	6 <sup>9</sup> / <sub>16</sub> (166)
B4	1, 1¼, 1½	11 <sup>3</sup> / <sub>8</sub> (289)	14 <sup>3</sup> / <sub>16</sub> (360)	8 <sup>5</sup> / <sub>16</sub> (211)	8 <sup>1</sup> / <sub>8</sub> (206)

**Series B BEAR TRAP**

**Capacities (Gross Ratings)**

Differential Pressure psig (bar)																			
Series	Orifice Size In (mm)	Seat Pressure psi (bar)	1/2	1	2	5	10	15	20	30	40	50	60	75	100	125	180	200	250
			(.035)	(0.07)	(0.14)	(0.35)	(0.69)	(1.0)	(1.4)	(2.1)	(2.8)	(3.5)	(4.2)	(5.2)	(6.9)	(8.6)	(12.4)	(13.8)	(17)
Capacity lbs./hr. (kg/hr.)																			
B3	.500	15	1450	1850	2300	3050	3700	4100	-	-	-	-	-	-	-	-	-	-	-
	(12.7)	(1.0)	(658)	(839)	(1043)	(1383)	(1678)	(1860)	-	-	-	-	-	-	-	-	-	-	-
	.375	30	720	980	1340	2020	2760	3300	3750	4470	-	-	-	-	-	-	-	-	-
	(9.53)	(2.1)	(327)	(435)	(608)	(916)	(1252)	(1497)	(1701)	(2028)	-	-	-	-	-	-	-	-	-
	.281	75	500	680	915	1370	1860	2200	2500	2980	3370	3720	4050	4460	-	-	-	-	-
	(7.14)	(5.2)	(227)	(308)	(415)	(621)	(762)	(998)	(1134)	(1352)	(1529)	(1687)	(1837)	(2023)	-	-	-	-	-
	.250	125	435	590	800	1200	1630	1950	2220	2665	3020	3325	3600	3970	4540	5000	-	-	-
	(6.35)	(8.6)	(197)	(268)	(363)	(544)	(739)	(885)	(1007)	(1209)	(1370)	(1508)	(1633)	(1801)	(2059)	(2268)	-	-	-
	.219	180	300	415	570	870	1190	1440	1640	1970	2250	2490	2690	2960	3400	3790	4440	-	-
	(5.56)	(10.4)	(136)	(188)	(259)	(395)	(540)	(653)	(744)	(894)	(1021)	(1129)	(1220)	(1343)	(1542)	(1719)	(2014)	-	-
.188	250	256	355	485	740	1010	1210	1390	1675	1900	2100	2285	2535	2890	3200	3780	3980	4340	
(4.78)	(17)	(116)	(161)	(220)	(336)	(458)	(549)	(631)	(760)	(862)	(953)	(1036)	(1150)	(1311)	(1452)	(1715)	(1805)	(1969)	
B4	.625	15	2382	2991	3755	5071	6366	7272	-	-	-	-	-	-	-	-	-	-	-
	(16)	(1.0)	(1080)	(1357)	(1703)	(2300)	(2888)	(3300)	-	-	-	-	-	-	-	-	-	-	-
	.5	30	1565	2053	2693	3855	5056	5926	6633	7774	-	-	-	-	-	-	-	-	-
	(12.7)	(2.1)	(710)	(931)	(1222)	(1749)	(2293)	(2688)	(3009)	(3526)	-	-	-	-	-	-	-	-	-
	.375	75	825	1137	1568	2396	3302	3983	4550	5489	6271	6953	7566	8389	-	-	-	-	-
	(9.53)	(5.2)	(374)	(516)	(711)	(1087)	(1498)	(1798)	(2064)	(2490)	(2845)	(3154)	(3432)	(3805)	-	-	-	-	-
	.344	125	780	1067	1459	2205	3015	3621	4122	4950	5636	6233	6767	7484	8522	9424	-	-	-
	(7.7)	(8.6)	(354)	(484)	(662)	(1000)	(1377)	(1642)	(1870)	(2245)	(2556)	(2827)	(3069)	(3395)	(3866)	(4275)	-	-	-
	.281	180	522	719	991	1516	2089	2521	2881	3476	3971	4403	4791	5313	6070	6732	7970	-	-
	(7.14)	(10.4)	(237)	(326)	(450)	(688)	(948)	(1144)	(1307)	(1577)	(1801)	(1997)	(2173)	(2410)	(2753)	(3054)	(3615)	-	-
.25	250	389	543	759	1180	1649	2005	2303	2801	3218	3583	3913	4357	5006	5574	6646	6993	7787	
(6.35)	(17)	(176)	(246)	(344)	(535)	(748)	(909)	(1045)	(1271)	(1460)	(1625)	(1775)	(1976)	(2270)	(2528)	(3015)	(3172)	(3532)	

**Ordering Information** (Specify the part number on your order)

**Model (A)** units are basic.  
**Model (B)** units have a built-in strainer and thermic vent for fast venting.  
**Model (S)** units have a built-in strainer.  
**Model (T)** units have an optional thermic vent built-in for faster venting.

**Example:**  
**Model Number B3030A-3J**  
**B3** (Unit size selected from capacity table)  
**030** (Differential seat pressure rating)  
**A** (Basic Unit)  
**3** (Connection Size - 1/4 of an inch)  
**J** (BSPT Thread Option)

**Series B3 Ordering Information**

NPT Model Number	BSPT Model Number	Size in.	NPT Part Number	BSPT Part Number	Seat Differential Pressure Rating psi (bar)	Body Design Pressure psi (bar)	Weight lbs. (kg)
B3015A-3	B3015A-3J	3/4	404400	404752	15 (1.0)	250 (17.3)	35 (16)
B3015S-3	B3015S-3J	3/4	404406	404758	15 (1.0)	250 (17.3)	35 (16)
B3015T-3	B3015T-3J	3/4	404412	404763	15 (1.0)	250 (17.3)	35 (16)
B3015B-3	B3015B-3J	3/4	404418	404769	15 (1.0)	250 (17.3)	35 (16)
B3015A-4	B3015A-4J	1	404424	404775	15 (1.0)	250 (17.3)	35 (16)
B3015S-4	B3015S-4J	1	404431	404782	15 (1.0)	250 (17.3)	35 (16)
B3015T-4	B3015T-4J	1	404436	404787	15 (1.0)	250 (17.3)	35 (16)
B3015B-4	B3015B-4J	1	404442	404793	15 (1.0)	250 (17.3)	35 (16)
B3030A-3	B3030A-3J	3/4	404401	404753	30 (2.1)	250 (17.3)	35 (16)
B3030S-3	B3030S-3J	3/4	404407	404759	30 (2.1)	250 (17.3)	35 (16)
B3030T-3	B3030T-3J	3/4	404413	404764	30 (2.1)	250 (17.3)	35 (16)
B3030B-3	B3030B-3J	3/4	404419	404770	30 (2.1)	250 (17.3)	35 (16)
B3030A-4	B3030A-4J	1	404425	404776	30 (2.1)	250 (17.3)	35 (16)
B3030S-4	B3030S-4J	1	404431	404782	30 (2.1)	250 (17.3)	35 (16)
B3030T-4	B3030T-4J	1	404437	404788	30 (2.1)	250 (17.3)	35 (16)
B3030B-4	B3030B-4J	1	404443	404794	30 (2.1)	250 (17.3)	35 (16)

## Inverted Bucket Steam Traps (continued)

### Series B BEAR TRAP®

#### Ordering Information (Specify the part number on your order)

**Model (A)** units are basic.

**Model (B)** units have a built-in strainer and thermic vent for fast venting.

**Model (S)** units have a built-in strainer.

**Model (T)** units have an optional thermic vent built-in for faster venting.

**Example: Model Number B3030A-3J**

**B3** (Unit size selected from capacity table)

**030** (Differential seat pressure rating)

**A** (Basic Unit)

**3** (Connection Size - 1/4 of an inch)

**J** (BSPT Thread Option)

#### Series B3 Ordering Information - continued

NPT Model Number	BSPT Model Number	Size in.	NPT Part Number	BSPT Part Number	Seat Differential Pressure Rating psi (bar)	Body Design Pressure psi (bar)	Weight lbs. (kg)
B3075A-3	B3075A-3J	3/4	404402	404754	75 (5.2)	250 (17.3)	35 (16)
B3075S-3	B3075S-3J	3/4	404408	404760	75 (5.2)	250 (17.3)	35 (16)
B3075T-3	B3075T-3J	3/4	404414	404765	75 (5.2)	250 (17.3)	35 (16)
B3075B-3	B3075B-3J	3/4	404420	404771	75 (5.2)	250 (17.3)	35 (16)
B3075A-4	B3075A-4J	1	404426	404777	75 (5.2)	250 (17.3)	35 (16)
B3075S-4	B3075S-4J	1	404432	404783	75 (5.2)	250 (17.3)	35 (16)
B3075T-4	B3075T-4J	1	404438	404789	75 (5.2)	250 (17.3)	35 (16)
B3075B-4	B3075B-4J	1	404444	404478	75 (5.2)	250 (17.3)	35 (16)
B3125A-3	B3125A-3J	3/4	404403	404755	125 (8.6)	250 (17.3)	35 (16)
B3125S-3	B3125S-3J	3/4	404409	404479	125 (8.6)	250 (17.3)	35 (16)
B3125T-3	B3125T-3J	3/4	404415	404766	125 (8.6)	250 (17.3)	35 (16)
B3125B-3	B3125B-3J	3/4	404421	404772	125 (8.6)	250 (17.3)	35 (16)
B3125A-4	B3125A-4J	1	404427	404778	125 (8.6)	250 (17.3)	35 (16)
B3125S-4	B3125S-4J	1	404433	404784	125 (8.6)	250 (17.3)	35 (16)
B3125T-4	B3125T-4J	1	404439	404790	125 (8.6)	250 (17.3)	35 (16)
B3125B-4	B3125B-4J	1	404445	404795	125 (8.6)	250 (17.3)	35 (16)
B3180A-3	B3180A-3J	3/4	404404	404756	180 (12.4)	250 (17.3)	35 (16)
B3180S-3	B3180S-3J	3/4	404410	404761	180 (12.4)	250 (17.3)	35 (16)
B3180T-3	B3180T-3J	3/4	404416	404767	180 (12.4)	250 (17.3)	35 (16)
B3180B-3	B3180B-3J	3/4	404422	404773	180 (12.4)	250 (17.3)	35 (16)
B3180A-4	B3180A-4J	1	404428	404779	180 (12.4)	250 (17.3)	35 (16)
B3180S-4	B3180S-4J	1	404434	404785	180 (12.4)	250 (17.3)	35 (16)
B3180T-4	B3180T-4J	1	404440	404791	180 (12.4)	250 (17.3)	35 (16)
B3180B-4	B3180B-4J	1	404446	404796	180 (12.4)	250 (17.3)	35 (16)
B3250A-3	B3250A-3J	3/4	404405	404757	250 (17.3)	250 (17.3)	35 (16)
B3250S-3	B3250S-3J	3/4	404411	404762	250 (17.3)	250 (17.3)	35 (16)
B3250T-3	B3250T-3J	3/4	404417	404768	250 (17.3)	250 (17.3)	35 (16)
B3250B-3	B3250B-3J	3/4	404423	404774	250 (17.3)	250 (17.3)	35 (16)
B3250A-4	B3250A-4J	1	404429	404780	250 (17.3)	250 (17.3)	35 (16)
B3250S-4	B3250S-4J	1	404435	404786	250 (17.3)	250 (17.3)	35 (16)
B3250T-4	B3250T-4J	1	404441	404792	250 (17.3)	250 (17.3)	35 (16)
B3250B-4	B3250B-4J	1	404447	404797	250 (17.3)	250 (17.3)	35 (16)

**Series B BEARTRAP®**
**Series B4 Ordering Information**

NPT Model Number	BSPT Model Number	Size in.	NPT Part Number	BSPT Part Number	Seat Differential Pressure Rating		Body Design Pressure		Weight	
					psi (bar)	psi (bar)	psi (bar)	psi (bar)	lbs. (kg)	lbs. (kg)
B4015A-4	B4015A-4J	1	404500	404798	15	(1.0)	250	(17.3)	61	(28)
B4015S-4	B4015S-4J	1	404506	404804	15	(1.0)	250	(17.3)	61	(28)
B4015T-4	B4015T-4J	1	404512	404810	15	(1.0)	250	(17.3)	61	(28)
B4015B-4	B4015B-4J	1	404518	404816	15	(1.0)	250	(17.3)	61	(28)
B4015A-5	B4015A-5J	1¼	404524	404822	15	(1.0)	250	(17.3)	61	(28)
B4015S-5	B4015S-5J	1¼	404530	404828	15	(1.0)	250	(17.3)	61	(28)
B4015T-5	B4015T-5J	1¼	404536	404833	15	(1.0)	250	(17.3)	61	(28)
B4015B-5	B4015B-5J	1¼	404542	404839	15	(1.0)	250	(17.3)	61	(28)
B4015A-6	B4015A-6J	1½	404548	404845	15	(1.0)	250	(17.3)	61	(28)
B4015S-6	B4015S-6J	1½	404554	404851	15	(1.0)	250	(17.3)	61	(28)
B4015T-6	B4015T-6J	1½	404560	404856	15	(1.0)	250	(17.3)	61	(28)
B4015B-6	B4015B-6J	1½	404566	404862	15	(1.0)	250	(17.3)	61	(28)
B4030A-4	B4030A-4J	1	404501	404799	30	(2.1)	250	(17.3)	61	(28)
B4030S-4	B4030S-4J	1	404507	404805	30	(2.1)	250	(17.3)	61	(28)
B4030T-4	B4030T-4J	1	404513	404811	30	(2.1)	250	(17.3)	61	(28)
B4030B-4	B4030B-4J	1	404519	404817	30	(2.1)	250	(17.3)	61	(28)
B4030A-5	B4030A-5J	1¼	404525	404823	30	(2.1)	250	(17.3)	61	(28)
B4030S-5	B4030S-5J	1¼	404531	404829	30	(2.1)	250	(17.3)	61	(28)
B4030T-5	B4030T-5J	1¼	404537	404934	30	(2.1)	250	(17.3)	61	(28)
B4030B-5	B4030B-5J	1¼	404543	404840	30	(2.1)	250	(17.3)	61	(28)
B4030A-6	B4030A-6J	1½	404549	404846	30	(2.1)	250	(17.3)	61	(28)
B4030S-6	B4030S-6J	1½	404555	404852	30	(2.1)	250	(17.3)	61	(28)
B4030T-6	B4030T-6J	1½	404561	404857	30	(2.1)	250	(17.3)	61	(28)
B4030B-6	B4030B-6J	1½	404567	404863	30	(2.1)	250	(17.3)	61	(28)
B4075A-4	B4075A-4J	1	404502	404800	75	(5.2)	250	(17.3)	61	(28)
B4075S-4	B4075S-4J	1	404508	404806	75	(5.2)	250	(17.3)	61	(28)
B4075T-4	B4075T-4J	1	404514	404812	75	(5.2)	250	(17.3)	61	(28)
B4075B-4	B4075B-4J	1	404520	404818	75	(5.2)	250	(17.3)	61	(28)
B4075A-5	B4075A-5J	1¼	404526	404824	75	(5.2)	250	(17.3)	61	(28)
B4075S-5	B4075S-5J	1¼	404532	404830	75	(5.2)	250	(17.3)	61	(28)
B4075T-5	B4075T-5J	1¼	404538	404835	75	(5.2)	250	(17.3)	61	(28)
B4075B-5	B4075B-5J	1¼	404544	404841	75	(5.2)	250	(17.3)	61	(28)
B4075A-6	B4075A-6J	1½	404550	404847	75	(5.2)	250	(17.3)	61	(28)
B4075S-6	B4075S-6J	1½	404556	404853	75	(5.2)	250	(17.3)	61	(28)
B4075T-6	B4075T-6J	1½	404562	404858	75	(5.2)	250	(17.3)	61	(28)
B4075B-6	B4075B-6J	1½	404568	404864	75	(5.2)	250	(17.3)	61	(28)
B4125A-4	B4125A-4J	1	404503	404801	125	(8.6)	250	(17.3)	61	(28)
B4125S-4	B4125S-4J	1	404509	404807	125	(8.6)	250	(17.3)	61	(28)
B4125T-4	B4125T-4J	1	404515	404813	125	(8.6)	250	(17.3)	61	(28)
B4125B-4	B4125B-4J	1	404521	404819	125	(8.6)	250	(17.3)	61	(28)
B4125A-5	B4125A-5J	1¼	404527	404825	125	(8.6)	250	(17.3)	61	(28)
B4125S-5	B4125S-5J	1¼	404533	404572	125	(8.6)	250	(17.3)	61	(28)
B4125T-5	B4125T-5J	1¼	404539	404836	125	(8.6)	250	(17.3)	61	(28)
B4125B-5	B4125B-5J	1¼	404545	404842	125	(8.6)	250	(17.3)	61	(28)
B4125A-6	B4125A-6J	1½	404551	404848	125	(8.6)	250	(17.3)	61	(28)
B4125S-6	B4125S-6J	1½	404557	404573	125	(8.6)	250	(17.3)	61	(28)
B4125T-6	B4125T-6J	1½	404563	404859	125	(8.6)	250	(17.3)	61	(28)
B4125B-6	B4125B-6J	1½	404569	404751	125	(8.6)	250	(17.3)	61	(28)

## Inverted Bucket Steam Traps (continued)

### Series B BEAR TRAP®

#### Series B4 Ordering Information - continued

NPT Model Number	BSPT Model Number	Size in.	NPT Part Number	BSPT Part Number	Seat Differential Pressure Rating psi (bar)	Body Design Pressure psi (bar)	Weight lbs. (kg)
B4180A-4	B4180A-4J	1	404504	404802	180 (12.4)	250 (17.3)	61 (28)
B4180S-4	B4180S-4J	1	404510	404808	180 (12.4)	250 (17.3)	61 (28)
B4180T-4	B4180T-4J	1	404516	404814	180 (12.4)	250 (17.3)	61 (28)
B4180B-4	B4180B-4J	1	404522	404820	180 (12.4)	250 (17.3)	61 (28)
B4180A-5	B4180A-5J	1¼	404528	404826	180 (12.4)	250 (17.3)	61 (28)
B4180S-5	B4180S-5J	1¼	404534	404831	180 (12.4)	250 (17.3)	61 (28)
B4180T-5	B4180T-5J	1¼	404540	404837	180 (12.4)	250 (17.3)	61 (28)
B4180B-5	B4180B-5J	1¼	404546	404843	180 (12.4)	250 (17.3)	61 (28)
B4180A-6	B4180A-6J	1½	404552	404849	180 (12.4)	250 (17.3)	61 (28)
B4180S-6	B4180S-6J	1½	404558	404854	180 (12.4)	250 (17.3)	61 (28)
B4180T-6	B4180T-6J	1½	404564	404860	180 (12.4)	250 (17.3)	61 (28)
B4180B-6	B4180B-6J	1½	404570	404865	180 (12.4)	250 (17.3)	61 (28)
B4250A-4	B4250A-4J	1	404505	404803	250 (17.3)	250 (17.3)	61 (28)
B4250S-4	B4250S-4J	1	404511	404809	250 (17.3)	250 (17.3)	61 (28)
B4250T-4	B4250T-4J	1	404517	404815	250 (17.3)	250 (17.3)	61 (28)
B4250B-4	B4250B-4J	1	404523	404821	250 (17.3)	250 (17.3)	61 (28)
B4250A-5	B4250A-5J	1¼	404529	404827	250 (17.3)	250 (17.3)	61 (28)
B4250S-5	B4250S-5J	1¼	404535	404832	250 (17.3)	250 (17.3)	61 (28)
B4250T-5	B4250T-5J	1¼	404541	404838	250 (17.3)	250 (17.3)	61 (28)
B4250B-5	B4250B-5J	1¼	404547	404844	250 (17.3)	250 (17.3)	61 (28)
B4250A-6	B4250A-6J	1½	404553	404850	250 (17.3)	250 (17.3)	61 (28)
B4250S-6	B4250S-6J	1½	404559	404855	250 (17.3)	250 (17.3)	61 (28)
B4250T-6	B4250T-6J	1½	404565	404861	250 (17.3)	250 (17.3)	61 (28)
B4250B-6	B4250B-6J	1½	404571	404866	250 (17.3)	250 (17.3)	61 (28)