

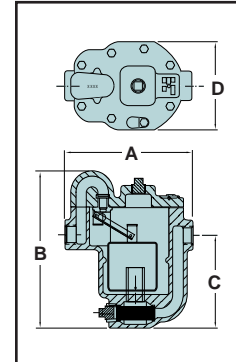
## Inverted Bucket Steam Traps (continued)

### Series B BEAR TRAP®

**NEW**

#### Series B3

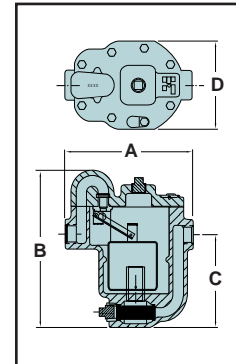
- Available in sizes 3/4" and 1" (20mm and 25mm) NPT
- Meets Mil specification WW-T-696-E Type I, Style B, Class 1-7
- Removable covers for easy in-line service
- Stainless steel internal components
- Resistant to moderate water hammer
- Optional built-in thermic vent for faster heating
- Optional built-in 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)



**NEW**

#### Series B4

- Available in sizes 1", 1 1/4", 1 1/2" (25, 32, 40mm) NPT
- 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 | NPT Size                         | A            | B             | C            | D            |
|--------|----------------------------------|--------------|---------------|--------------|--------------|
| B3     | 3/4, 1<br>(20), (25)             | 9 7/16 (239) | 11 5/8 (294)  | 6 7/8 (174)  | 6 9/16 (166) |
| B4     | 1, 1 1/4, 1 1/2,<br>(25, 32, 40) | 11 3/8 (289) | 14 3/16 (360) | 8 5/16 (211) | 8 1/8 (206)  |

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 B1030A**

**B1** (Unit size selected from capacity table)

**030** (Differential seat pressure rating)

**A** (Basic Unit)

**Series B3 Ordering Information**

| Model Number | Part Number | NPT Size in. (mm) | Differential Pressure psi (bar) | Weight lbs. (kg) |
|--------------|-------------|-------------------|---------------------------------|------------------|
| B3015A       | 404400      | ¾ (20)            | 15 (1.0)                        | 35 (16)          |
| B3030A       | 404401      | ¾ (20)            | 30 (2.1)                        | 35 (16)          |
| B3075A       | 404402      | ¾ (20)            | 75 (5.2)                        | 35 (16)          |
| B3125A       | 404403      | ¾ (20)            | 125 (8.6)                       | 35 (16)          |
| B3180A       | 404404      | ¾ (20)            | 180 (12.4)                      | 35 (16)          |
| B3250A       | 404405      | ¾ (20)            | 250 (17.3)                      | 35 (16)          |
| B3015A       | 404424      | 1 (25)            | 15 (1.0)                        | 35 (16)          |
| B3030A       | 404425      | 1 (25)            | 30 (2.1)                        | 35 (16)          |
| B3075A       | 404426      | 1 (25)            | 75 (5.2)                        | 35 (16)          |
| B3125A       | 404427      | 1 (25)            | 125 (8.6)                       | 35 (16)          |
| B3180A       | 404428      | 1 (25)            | 180 (12.4)                      | 35 (16)          |
| B3250A       | 404229      | 1 (25)            | 250 (17.3)                      | 35 (16)          |
| B3015S       | 404406      | ¾ (20)            | 15 (1.0)                        | 35 (16)          |
| B3030S       | 404407      | ¾ (20)            | 30 (2.1)                        | 35 (16)          |
| B3075S       | 404408      | ¾ (20)            | 75 (5.2)                        | 35 (16)          |
| B3125S       | 404409      | ¾ (20)            | 125 (8.6)                       | 35 (16)          |
| B3180S       | 404410      | ¾ (20)            | 180 (12.4)                      | 35 (16)          |
| B3250S       | 404411      | ¾ (20)            | 250 (17.3)                      | 35 (16)          |
| B3015S       | 404430      | 1 (25)            | 15 (1.0)                        | 35 (16)          |
| B3030S       | 404431      | 1 (25)            | 30 (2.1)                        | 35 (16)          |
| B3075S       | 404432      | 1 (25)            | 75 (5.2)                        | 35 (16)          |
| B3125S       | 404433      | 1 (25)            | 125 (8.6)                       | 35 (16)          |
| B3180S       | 404434      | 1 (25)            | 180 (12.4)                      | 35 (16)          |
| B3250S       | 404435      | 1 (25)            | 250 (17.3)                      | 35 (16)          |

| Model Number | Part Number | NPT Size in. (mm) | Differential Pressure psi (bar) | Weight lbs. (kg) |
|--------------|-------------|-------------------|---------------------------------|------------------|
| B3015T       | 404412      | ¾ (20)            | 15 (1.0)                        | 35 (16)          |
| B3030T       | 404413      | ¾ (20)            | 30 (2.1)                        | 35 (16)          |
| B3075T       | 404414      | ¾ (20)            | 75 (5.2)                        | 35 (16)          |
| B3125T       | 404415      | ¾ (20)            | 125 (8.6)                       | 35 (16)          |
| B3180T       | 404416      | ¾ (20)            | 180 (12.4)                      | 35 (16)          |
| B3250T       | 404417      | ¾ (20)            | 250 (17.3)                      | 35 (16)          |
| B3015T       | 404436      | 1 (25)            | 15 (1.0)                        | 35 (16)          |
| B3030T       | 404437      | 1 (25)            | 30 (2.1)                        | 35 (16)          |
| B3075T       | 404438      | 1 (25)            | 75 (5.2)                        | 35 (16)          |
| B3125T       | 404439      | 1 (25)            | 125 (8.6)                       | 35 (16)          |
| B3180T       | 404440      | 1 (25)            | 180 (12.4)                      | 35 (16)          |
| B3250T       | 404441      | 1 (25)            | 250 (17.3)                      | 35 (16)          |
| B3015B       | 404418      | ¾ (20)            | 15 (1.0)                        | 35 (16)          |
| B3030B       | 404419      | ¾ (20)            | 30 (2.1)                        | 35 (16)          |
| B3075B       | 404420      | ¾ (20)            | 75 (5.2)                        | 35 (16)          |
| B3125B       | 404421      | ¾ (20)            | 125 (8.6)                       | 35 (16)          |
| B3180B       | 404422      | ¾ (20)            | 180 (12.4)                      | 35 (16)          |
| B3250B       | 404423      | ¾ (20)            | 250 (17.3)                      | 35 (16)          |
| B3015B       | 404442      | 1 (25)            | 15 (1.0)                        | 35 (16)          |
| B3030B       | 404443      | 1 (25)            | 30 (2.1)                        | 35 (16)          |
| B3075B       | 404444      | 1 (25)            | 75 (5.2)                        | 35 (16)          |
| B3125B       | 404445      | 1 (25)            | 125 (8.6)                       | 35 (16)          |
| B3180B       | 404446      | 1 (25)            | 180 (12.4)                      | 35 (16)          |
| B3250B       | 404447      | 1 (25)            | 250 (17.3)                      | 35 (16)          |

## Inverted Bucket Steam Traps (continued)

### Series B BEAR TRAP®

#### Series B4 Ordering Information

| Model Number | Part Number | NPT Size in. (mm) | Differential Pressure psi (bar) | Weight lbs. (kg) |
|--------------|-------------|-------------------|---------------------------------|------------------|
| B4015A       | 404500      | 1 (25)            | 15 (1.0)                        | 61 (28)          |
| B4030A       | 404501      | 1 (25)            | 30 (2.1)                        | 61 (28)          |
| B4075A       | 404502      | 1 (25)            | 75 (5.2)                        | 61 (28)          |
| B4125A       | 404503      | 1 (25)            | 125 (8.6)                       | 61 (28)          |
| B4180A       | 404504      | 1 (25)            | 180 (12.4)                      | 61 (28)          |
| B4250A       | 404505      | 1 (25)            | 250 (17.3)                      | 61 (28)          |
| B4015A       | 404524      | 1¼ (32)           | 15 (1.0)                        | 61 (28)          |
| B4030A       | 404525      | 1¼ (32)           | 30 (2.1)                        | 61 (28)          |
| B4075A       | 404526      | 1¼ (32)           | 75 (5.2)                        | 61 (28)          |
| B4125A       | 404527      | 1¼ (32)           | 125 (8.6)                       | 61 (28)          |
| B4180A       | 404528      | 1¼ (32)           | 180 (12.4)                      | 61 (28)          |
| B4250A       | 404529      | 1¼ (32)           | 250 (17.3)                      | 61 (28)          |
| B4015A       | 404548      | 1½ (40)           | 15 (1.0)                        | 61 (28)          |
| B4030A       | 404549      | 1½ (40)           | 30 (2.1)                        | 61 (28)          |
| B4075A       | 404550      | 1½ (40)           | 75 (5.2)                        | 61 (28)          |
| B4125A       | 404551      | 1½ (40)           | 125 (8.6)                       | 61 (28)          |
| B4180A       | 404552      | 1½ (40)           | 180 (12.4)                      | 61 (28)          |
| B4250A       | 404553      | 1½ (40)           | 250 (17.3)                      | 61 (28)          |
| B4015S       | 404506      | 1 (25)            | 15 (1.0)                        | 61 (28)          |
| B4030S       | 404507      | 1 (25)            | 30 (2.1)                        | 61 (28)          |
| B4075S       | 404508      | 1 (25)            | 75 (5.2)                        | 61 (28)          |
| B4125S       | 404509      | 1 (25)            | 125 (8.6)                       | 61 (28)          |
| B4180S       | 404510      | 1 (25)            | 180 (12.4)                      | 61 (28)          |
| B4250S       | 404511      | 1 (25)            | 250 (17.3)                      | 61 (28)          |
| B4015S       | 404530      | 1¼ (32)           | 15 (1.0)                        | 61 (28)          |
| B4030S       | 404531      | 1¼ (32)           | 30 (2.1)                        | 61 (28)          |
| B4075S       | 404532      | 1¼ (32)           | 75 (5.2)                        | 61 (28)          |
| B4125S       | 404533      | 1¼ (32)           | 125 (8.6)                       | 61 (28)          |
| B4180S       | 404534      | 1¼ (32)           | 180 (12.4)                      | 61 (28)          |
| B4250S       | 404535      | 1¼ (32)           | 250 (17.3)                      | 61 (28)          |
| B4015S       | 404554      | 1½ (40)           | 15 (1.0)                        | 61 (28)          |
| B4030S       | 404555      | 1½ (40)           | 30 (2.1)                        | 61 (28)          |
| B4075S       | 404556      | 1½ (40)           | 75 (5.2)                        | 61 (28)          |
| B4125S       | 404557      | 1½ (40)           | 125 (8.6)                       | 61 (28)          |
| B4180S       | 404558      | 1½ (40)           | 180 (12.4)                      | 61 (28)          |
| B4250S       | 404559      | 1½ (40)           | 250 (17.3)                      | 61 (28)          |

| Model Number | Part Number | NPT Size in. (mm) | Differential Pressure psi (bar) | Weight lbs. (kg) |
|--------------|-------------|-------------------|---------------------------------|------------------|
| B4015T       | 404512      | 1 (25)            | 15 (1.0)                        | 61 (28)          |
| B4030T       | 404513      | 1 (25)            | 30 (2.1)                        | 61 (28)          |
| B4075T       | 404514      | 1 (25)            | 75 (5.2)                        | 61 (28)          |
| B4125T       | 404515      | 1 (25)            | 125 (8.6)                       | 61 (28)          |
| B4180T       | 404516      | 1 (25)            | 180 (12.4)                      | 61 (28)          |
| B4250T       | 404517      | 1 (25)            | 250 (17.3)                      | 61 (28)          |
| B4015T       | 404536      | 1¼ (32)           | 15 (1.0)                        | 61 (28)          |
| B4030T       | 404537      | 1¼ (32)           | 30 (2.1)                        | 61 (28)          |
| B4075T       | 404538      | 1¼ (32)           | 75 (5.2)                        | 61 (28)          |
| B4125T       | 404539      | 1¼ (32)           | 125 (8.6)                       | 61 (28)          |
| B4180T       | 404540      | 1¼ (32)           | 180 (12.4)                      | 61 (28)          |
| B4250T       | 404541      | 1¼ (32)           | 250 (17.3)                      | 61 (28)          |
| B4015T       | 404560      | 1½ (40)           | 15 (1.0)                        | 61 (28)          |
| B4030T       | 404561      | 1½ (40)           | 30 (2.1)                        | 61 (28)          |
| B4075T       | 404562      | 1½ (40)           | 75 (5.2)                        | 61 (28)          |
| B4125T       | 404563      | 1½ (40)           | 125 (8.6)                       | 61 (28)          |
| B4180T       | 404564      | 1½ (40)           | 180 (12.4)                      | 61 (28)          |
| B4250T       | 404565      | 1½ (40)           | 250 (17.3)                      | 61 (28)          |
| B4015B       | 404518      | 1 (25)            | 15 (1.0)                        | 61 (28)          |
| B4030B       | 404519      | 1 (25)            | 30 (2.1)                        | 61 (28)          |
| B4075B       | 404520      | 1 (25)            | 75 (5.2)                        | 61 (28)          |
| B4125B       | 404521      | 1 (25)            | 125 (8.6)                       | 61 (28)          |
| B4180B       | 404522      | 1 (25)            | 180 (12.4)                      | 61 (28)          |
| B4250B       | 404523      | 1 (25)            | 250 (17.3)                      | 61 (28)          |
| B4015B       | 404542      | 1¼ (32)           | 15 (1.0)                        | 61 (28)          |
| B4030B       | 404543      | 1¼ (32)           | 30 (2.1)                        | 61 (28)          |
| B4075B       | 404544      | 1¼ (32)           | 75 (5.2)                        | 61 (28)          |
| B4125B       | 404545      | 1¼ (32)           | 125 (8.6)                       | 61 (28)          |
| B4180B       | 404546      | 1¼ (32)           | 180 (12.4)                      | 61 (28)          |
| B4250B       | 404547      | 1¼ (32)           | 250 (17.3)                      | 61 (28)          |
| B4015B       | 404566      | 1½ (40)           | 15 (1.0)                        | 61 (28)          |
| B4030B       | 404567      | 1½ (40)           | 30 (2.1)                        | 61 (28)          |
| B4075B       | 404568      | 1½ (40)           | 75 (5.2)                        | 61 (28)          |
| B4125B       | 404569      | 1½ (40)           | 125 (8.6)                       | 61 (28)          |
| B4180B       | 404570      | 1½ (40)           | 180 (12.4)                      | 61 (28)          |
| B4250B       | 404571      | 1½ (40)           | 250 (17.3)                      | 61 (28)          |