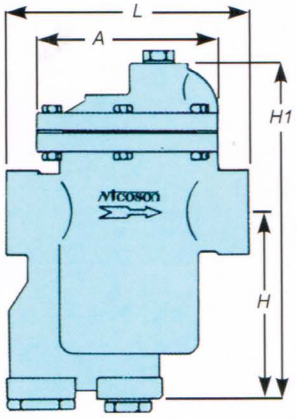
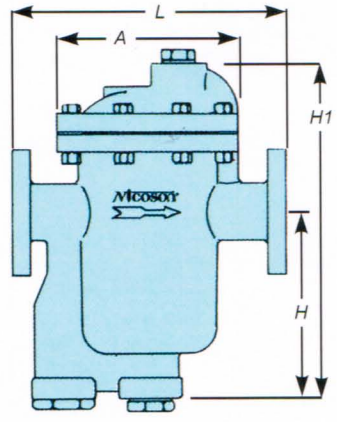
# NICOSON INVERTED BUCKET STEAM TRAP SPECIFICATION AND DIMENSIONS




## SCREWED TYPE

| Trap Model | connection PT | L M/M | H | H1 | A | Weight KG | M.O.P Kg/cm² |
|---|---|---|---|---|---|---|---|
| B1 | 1/2", 3/4", 1" | 128 | 100 | 175 | 96 | 3.5 | 18 |
| B2 | 3/4", 1" | 166 | 133 | 228 | 144 | 7.2 | 18 |
| B3 | 1" | 198 | 173 | 296 | 178 | 13.5 | 18 |
| B4 | 1-1/4", 1-1/2" | 232 | 185 | 347 | 203 | 21 | 18 |

**NOTE : Connection NPT are available**




## FLANGED TYPE

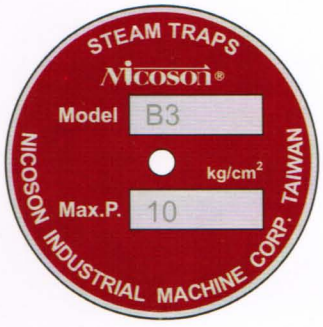
| Trap Model | connection JIS 10K, RF | L M/M | H | H1 | A | Weight KG | M.O.P Kg/cm² |
|---|---|---|---|---|---|---|---|
| B1F | 1/2", 3/4", 1" | 170 | 100 | 175 | 96 | 4.8, 5, 6 | 18 |
| B2F | 3/4", 1" | 210 | 133 | 228 | 144 | 9, 10 | 18 |
| B3F | 1" | 240 | 173 | 296 | 178 | 15 | 18 |
| B4F | 1-1/4", 1-1/2" | 280 | 185 | 347 | 203 | 24, 25 | 18 |
| B5F | 1-1/2", 2" | 300 | 223 | 388 | 230 | 31, 33.5 | 18 |
| B6F | 2" | 350 | 260 | 446 | 273 | 45.5 | 18 |

**NOTE : ANSI 150 LBS RF Flanged are available.**

## List Of Materials, NICOSON Cast Iron Traps

| Name of part | Material |
|---|---|
| Cap and Body | Tensile Cast Iron Fc 22 |
| Valve Seat | Heat Treated Chrome Steel |
| Valve | Heat Treated Chrome Steel |
| Gasket | Compressed Asbestos |
| Lever | Stainless Steel SUS 304 |
| Valve Retainer | Stainless Steel SUS 304 |
| Bucket | Stainless Steel SUS 304 |
| Integral Strainer | Stainless Steel SUS 304 |
| Water hsmmer Resister | Steel |

## NAME PLATE




**Model : STEAM TRAP Model Number**

**Max.p. : THIS STEAM TRAP Max. OPERATING PRESSURE KG/CM²**

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# NICOSON INVERTED BUCKET TRAPS CAPACITY TABLE

| Trap Model | Trap Max. Operating Pressure kg/cm² | CAPACITY IN KG/HR AT INLET DIFFERENTIAL PRESSURE kg/cm² | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 5 | 6 | 8 | 10 | 12 | 14 | 18 |
| B1, B1F | 3 | 350 | 480 | 510 | | | | | | | |
| | 5 | 240 | 330 | 380 | 450 | | | | | | |
| | 10 | 180 | 240 | 290 | 350 | 370 | 400 | 400 | | | |
| | 14 | 120 | 170 | 210 | 270 | 290 | 330 | 330 | 380 | 400 | |
| | 18 | 100 | 140 | 170 | 210 | 230 | 270 | 270 | 310 | 330 | 350 |
| B2, B2F | 3 | 730 | 950 | 1,200 | | | | | | | |
| | 5 | 520 | 720 | 920 | 1,100 | | | | | | |
| | 10 | 370 | 500 | 600 | 780 | 820 | 950 | 1,200 | | | |
| | 14 | 230 | 320 | 390 | 490 | 550 | 630 | 700 | 750 | 850 | |
| | 18 | 100 | 200 | 280 | 380 | 400 | 480 | 550 | 600 | 650 | 730 |
| B3, B3F | 3 | 1,450 | 1,800 | 1,980 | | | | | | | |
| | 5 | 1,300 | 1,600 | 1,900 | 2,200 | | | | | | |
| | 10 | 800 | 950 | 1,350 | 1,650 | 1,800 | 2,100 | 2,300 | | | |
| | 14 | 100 | 800 | 1,000 | 1300 | 1,450 | 1,680 | 1,850 | 1,950 | 2,200 | |
| | 18 | 500 | 700 | 950 | 1,200 | 1,300 | 1,500 | 1,600 | 1,700 | 1,800 | 1,900 |
| B4, B4F | 3 | 2,800 | 3,200 | 3,600 | | | | | | | |
| | 5 | 1,900 | 2,300 | 3,100 | 3,600 | | | | | | |
| | 10 | 1,500 | 1,800 | 2,400 | 3,000 | 3,100 | 3,400 | 3,650 | | | |
| | 14 | 1,300 | 1,600 | 1,800 | 2,400 | 2,600 | 3,000 | 3,300 | 3,400 | 3,500 | |
| | 18 | 900 | 1,000 | 1,600 | 1,800 | 2,150 | 2,450 | 2,600 | 2,800 | 3,300 | 3,100 |
| B5F | 3 | 3,500 | 4,800 | 6,000 | | | | | | | |
| | 5 | 3,000 | 3,500 | 4,800 | 5,900 | | | | | | |
| | 10 | 1,800 | 2,400 | 3,100 | 4,400 | 4,500 | 5,300 | 5,300 | 5,600 | | |
| | 14 | 1,800 | 2,500 | 3,000 | 3,500 | 3,800 | 4,300 | 4,800 | 5,100 | 5,400 | |
| | 18 | 1,500 | 2,000 | 2,500 | 3,000 | 3,300 | 3,700 | 4,100 | 4,400 | 4,800 | 5,100 |
| B6F | 3 | 8,000 | 9,500 | 10,000 | | | | | | | |
| | 5 | 6,500 | 8,000 | 8,800 | 10,000 | | | | | | |
| | 10 | 4,000 | 5,000 | 6,500 | 8,000 | 8,500 | 9,300 | 9,600 | | | |
| | 14 | 3,500 | 4,500 | 5,500 | 7,000 | 7,500 | 8,300 | 9,000 | 9,200 | 9,400 | |
| | 18 | 2,500 | 4,000 | 4,800 | 6,000 | 6,500 | 7,500 | 8,300 | 8,500 | 8,900 | 9,100 |

*Inverted bucket steam trap selection using NICOSON CAPACITY TABLE is easy, when you know the Condesate load, Safty factor and Pressure differential.*
*EXAMPLE;*

*Given :*
*1. Steam supply — 8 kg/cm²*
*2. Condensate load — 600 kg/hr*
*3. Safty factor —3*

*Time 3 to 600 = 1,800 kg/hr*

*Enter Table on Max. Operating pressure 10 kg/cm² row at 8 kg/cm² Inlet differential pressure.*

*We find Trap Model B3, Max. Operating Pressure 10 kg/cm² type, Capacity is 2,100 kg/hr. Can handle that jobs.*