

For Steam Main Drips and Process Applications

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Series WFT

Float & Thermostatic Steam Traps

Sizes: 3/4" – 2" (20 – 50mm)

For operating pressures up to 125psi (8.6 bar)

Series WFT Float & Thermostatic Steam Traps are designed to provide continuous air venting and separate condensate draining with maximum efficiency and service. The "H" pattern body on all 3/4", 1" (15, 30, 75, 125psi) and 1 1/4" (15, 30psi) has been designed to offer maximum installation flexibility. Four possible hookup combinations, combined with similar piping dimensions to other major manufacturers, make this the "universal" replacement trap. For larger sized traps, 1 1/2", 2" (15, 30, 75, 125psi) and 1 1/4" (75, 125psi), the inlet and outlet taps are located in the cover, allowing for the larger capacities needed. Series WFT traps can also be serviced without disturbing system piping.

Features

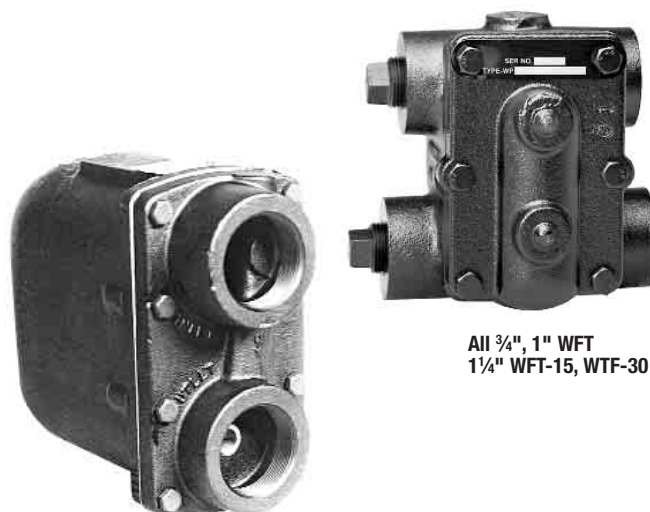
- Universal 4-port design
- All stainless steel internal components protect against erosion and corrosion
- Balanced pressure thermostatic element
- Extra-long life and dependable service
- Water hammer resistant
- Can be serviced without disturbing system piping

Applications

- Unit heaters and other space heating equipment
- Heat exchangers/reboilers
- Air heating coils
- Steam main drips
- Process equipment

Specifications

The float & thermostatic steam trap shall be installed as indicated on the plans. The steam trap shall have a maximum pressure of 125psi and a maximum temperature of 353°F. The trap body and cover shall be manufactured out of cast iron, the internal parts and air vents shall be manufactured out of stainless steel. The product shall be a Watts Series WFT.



All 1 1/2", 2" WFT
1 1/4" WFT-75, WFT-125

All 3/4", 1" WFT
1 1/4" WFT-15, WFT-30

BAA/ARRA Compliant*

*This product complies with the Buy American Act and The American Recovery and Reinvestment Act. For more information, visit watts.com.

Materials of Construction

| | |
|--------------------------|--|
| Body & Cover | Cast Iron ASTM A126 Class B |
| Valve Head | Stainless Steel Type 440C |
| Valve Seat | Stainless Steel Type 416 |
| Valve Seat Gasket | Stainless Steel Type 416 |
| Float | Stainless Steel Type 302 |
| Bracket & Lever Assembly | Stainless Steel |
| Thermostatic Air Vent | Balanced Pressure S.S. bellows and valve |
| Air Vent Seat | Stainless Steel Type 316 |
| Cover Bolts | Carbon Steel Grade 5 |
| Cover Gasket | Non - Asbestos |
| Draining Plug | Stainless Steel |

Pressure - Temperature

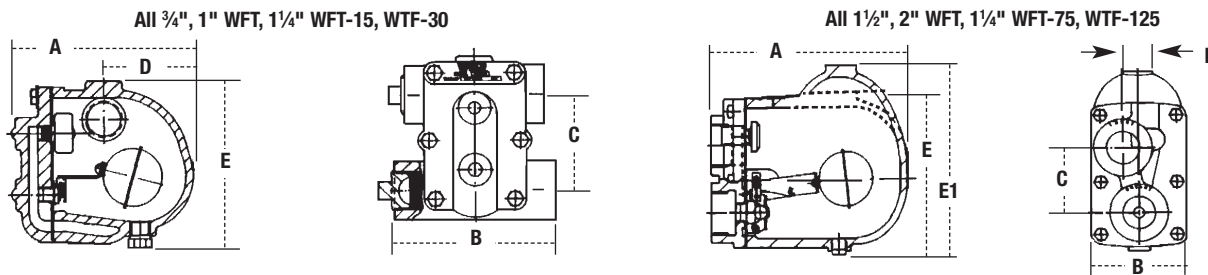
Maximum Allowable Pressure: 125psi (8.6 bar) @ 353°F (178°C)

Maximum Operating Pressure: controlled by pressure rating of seat orifice.

Steam Trap Capacities in (lbs./hr.) Hot Condensate

| Model | Size NPT | psi Orifice | DIFFERENTIAL PRESSURE (psi) | | | | | | | | | | | | | | |
|---------|-------------|----------------|-----------------------------|------|------|------|------|------|-------|------|------|-------|------|------|------|------|------|
| | | | ¼ | ½ | 1 | 2 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 75 | 100 | 125 |
| WFT-15 | ¾" | .218 | 279 | 369 | 489 | 650 | 785 | 1000 | 1075 | | | | | | | | |
| WFT-15 | 1" | .218 | 279 | 369 | 489 | 650 | 785 | 1000 | 1075 | | | | | | | | |
| WFT-15 | 1¼" | .312 | 600 | 770 | 980 | 1240 | 1640 | 2000 | 2340 | | | | | | | | |
| WFT-15 | 1½" | .500 | 1100 | 1700 | 2400 | 3300 | 5000 | 6600 | 7600 | | | | | | | | |
| WFT-15 | 2" | .625 | 2300 | 2800 | 3600 | 4650 | 6900 | 9000 | 10900 | | | | | | | | |
| WFT-30 | ¾" | .218 | 279 | 369 | 489 | 650 | 785 | 1000 | 1075 | 1210 | 1300 | 1370 | | | | | |
| WFT-30 | 1" | .218 | 279 | 369 | 489 | 650 | 785 | 1000 | 1075 | 1210 | 1300 | 1370 | | | | | |
| WFT-30 | 1¼" | .228 | 375 | 500 | 690 | 910 | 1200 | 1500 | 1680 | 1800 | 1900 | 2000 | | | | | |
| WFT-30 | 1½" | .390 | 1000 | 1300 | 1700 | 2300 | 3400 | 4600 | 5500 | 6000 | 6600 | 7000 | | | | | |
| WFT-30 | 2" | .500 | 1300 | 1800 | 2500 | 3400 | 5200 | 6800 | 7800 | 8600 | 9300 | 10000 | | | | | |
| WFT-75 | ¾" | .166 | 160 | 213 | 280 | 365 | 520 | 700 | 795 | 875 | 930 | 970 | 1120 | 1230 | 1450 | | |
| WFT-75 | 1" | .166 | 160 | 213 | 280 | 365 | 520 | 700 | 795 | 875 | 930 | 970 | 1120 | 1230 | 1450 | | |
| WFT-75 | 1¼" | .312 | 550 | 725 | 960 | 1300 | 1900 | 2650 | 3050 | 3400 | 3700 | 4000 | 4400 | 4750 | 5400 | | |
| WFT-75 | 1½" | .312 | 550 | 725 | 960 | 1300 | 1900 | 2650 | 3050 | 3400 | 3700 | 4000 | 4400 | 4750 | 5400 | | |
| WFT-75 | 2" | .421 | 850 | 1100 | 1500 | 2000 | 3100 | 4150 | 4750 | 5200 | 5500 | 5800 | 6400 | 6800 | 7700 | | |
| WFT-125 | ¾" | .125 | 100 | 135 | 175 | 230 | 330 | 415 | 500 | 585 | 620 | 685 | 750 | 830 | 970 | 1110 | 1190 |
| WFT-125 | 1" | .125 | 100 | 135 | 175 | 230 | 330 | 415 | 500 | 585 | 620 | 685 | 750 | 830 | 970 | 1110 | 1190 |
| WFT-125 | 1¼" | .246 | 400 | 520 | 680 | 890 | 1300 | 1700 | 2050 | 2300 | 2500 | 2700 | 3000 | 3200 | 3800 | 4200 | 4500 |
| WFT-125 | 1½" | .246 | 400 | 520 | 680 | 890 | 1300 | 1700 | 2050 | 2300 | 2500 | 2700 | 3000 | 3200 | 3800 | 4200 | 4500 |
| WFT-125 | 2" | .332 | 550 | 675 | 880 | 1225 | 1950 | 2600 | 3000 | 3250 | 3500 | 3800 | 4200 | 4600 | 5500 | 6100 | 6600 |

Dimensions – Weights



| MODEL | SIZE (DN) | | DIMENSIONS | | | | | | | | | | WEIGHT | | | |
|---------|-----------|----|------------|-----|----|-----|----|-----|----|----|----|-----|--------|-----|------|------|
| | in. | mm | A | | B | | C | | D | | E | | E1 | | lbs. | kgs. |
| WFT-15 | ¾ | 20 | 6¼ | 159 | 5½ | 140 | 3⅝ | 84 | 3 | 76 | 5¾ | 146 | - | - | 9 | 4.1 |
| WFT-15 | 1 | 25 | 6¼ | 159 | 5½ | 140 | 3⅝ | 84 | 3 | 76 | 5¾ | 146 | - | - | 9 | 4.1 |
| WFT-15 | 1¼ | 32 | 6¼ | 159 | 5¾ | 146 | 3⅝ | 84 | 3 | 76 | 5¾ | 146 | - | - | 9.5 | 4.3 |
| WFT-15 | 1½ | 40 | 8½ | 216 | 4¼ | 108 | 3 | 76 | 1⅞ | 17 | - | - | 8⅞ | 213 | 18 | 8.2 |
| WFT-15 | 2 | 50 | 9⅜ | 249 | 4⅜ | 125 | 4⅜ | 125 | ⅞ | 3 | 9⅞ | 231 | - | - | 26 | 11.8 |
| WFT-30 | ¾ | 20 | 6¼ | 159 | 5½ | 140 | 3⅝ | 84 | 3 | 76 | 5¾ | 146 | - | - | 9 | 4.1 |
| WFT-30 | 1 | 25 | 6¼ | 159 | 5½ | 140 | 3⅝ | 84 | 3 | 76 | 5¾ | 146 | - | - | 9 | 4.1 |
| WFT-30 | 1¼ | 32 | 6¼ | 159 | 5¾ | 146 | 3⅝ | 84 | 3 | 76 | 5¾ | 146 | - | - | 9.5 | 4.3 |
| WFT-30 | 1½ | 40 | 8½ | 216 | 4¼ | 108 | 3 | 76 | 1⅞ | 17 | - | - | 8⅞ | 213 | 18 | 8.2 |
| WFT-30 | 2 | 50 | 9⅜ | 249 | 4⅜ | 125 | 4⅜ | 125 | ⅞ | 3 | 9⅞ | 231 | - | - | 26 | 11.8 |
| WFT-75 | ¾ | 20 | 6¼ | 159 | 5½ | 140 | 3⅝ | 84 | 3 | 76 | 5¾ | 146 | - | - | 9 | 4.1 |
| WFT-75 | 1 | 25 | 6¼ | 159 | 5½ | 140 | 3⅝ | 84 | 3 | 76 | 5¾ | 146 | - | - | 9 | 4.1 |
| WFT-75 | 1¼ | 32 | 8½ | 216 | 4¼ | 108 | 3 | 76 | 1⅞ | 17 | - | - | 8⅞ | 213 | 18 | 8.2 |
| WFT-75 | 1½ | 40 | 8½ | 216 | 4¼ | 108 | 3 | 76 | 1⅞ | 17 | - | - | 8⅞ | 213 | 18 | 8.2 |
| WFT-75 | 2 | 50 | 9⅜ | 249 | 4⅜ | 125 | 4⅜ | 125 | ⅞ | 3 | 9⅞ | 231 | - | - | 26 | 11.8 |
| WFT-125 | ¾ | 20 | 6¼ | 159 | 5½ | 140 | 3⅝ | 84 | 3 | 76 | 5¾ | 146 | - | - | 9 | 4.1 |
| WFT-125 | 1 | 25 | 6¼ | 159 | 5½ | 140 | 3⅝ | 84 | 3 | 76 | 5¾ | 146 | - | - | 9 | 4.1 |
| WFT-125 | 1¼ | 32 | 8½ | 216 | 4¼ | 108 | 3 | 76 | 1⅞ | 17 | - | - | 8⅞ | 213 | 18 | 8.2 |
| WFT-125 | 1½ | 40 | 8½ | 216 | 4¼ | 108 | 3 | 76 | 1⅞ | 17 | - | - | 8⅞ | 213 | 18 | 8.2 |
| WFT-125 | 2 | 50 | 9⅜ | 249 | 4⅜ | 125 | 4⅜ | 125 | ⅞ | 3 | 9⅞ | 231 | - | - | 26 | 11.8 |



A Watts Water Technologies Company



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