

For Steam Main Drips and Process Applications

Job Name UW Union South
 Job Location Madison
 Engineer _____
 Approval _____

Contractor NAMI
 Approval _____
 Contractor's P.O. No. _____
 Representative KEI Steam Solution, Inc.

Series WFT
Float & Thermostatic Steam Traps

Sizes: 3/4" - 2" (20 - 50mm)

For operating pressures up to 125psi (8.6 bars)

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

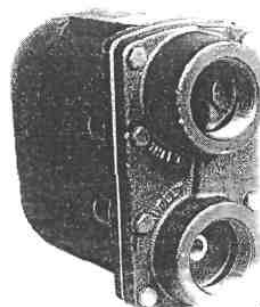
- Unit heaters and other space heating equipment
- Heat exchangers/reboilers
- Air heating coils
- Steam main drips
- Process equipment

Specifications

The float & thermostic 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 Regulator Company Series WFT.



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



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

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 bars) @ 353°F (178°C)

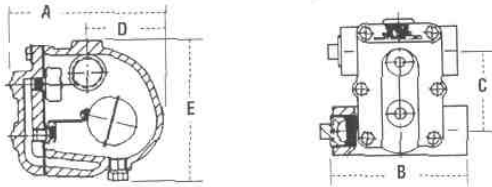
Maximum Operating Pressure: controlled by pressure rating of seat orifice.

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

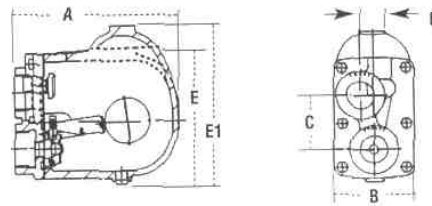
Model	Size NPT	psi Orifice	DIFFERENTIAL PRESSURE (psi)														
			¼	½	1	2	5	10	15	20	25	30	40	50	75	100	125
WFT-15	¾"	.218	279	369	489	650	785	1000	1075								
WFT-15	1"	.218	279	369	489	650	785	1000	1075								
WFT-15	1¼"	.312	600	770	980	1240	1640	2000	2340								
WFT-15	1½"	.500	1100	1700	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	875	880	1225	1950	2600	3000	3250	3500	3800	4200	4600	5500	6100	6600

Dimensions — Weights

All ¾", 1" WFT, 1¼" WFT-15, WFT-30



All 1½", 2" WFT, 1¼" WFT-75, WFT-125



MODEL	SIZE (DN)		DIMENSIONS										WEIGHT			
			A		B		C		D		E		E1		lbs.	kgs.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
WFT-15	¾	20	6¼	159	5½	140	3⅞	84	3	76	5¾	146	-	-	9	4.1
WFT-15	1	25	6¼	159	5½	140	3⅞	84	3	76	5¾	146	-	-	9	4.1
WFT-15	1¼	32	6¼	159	5¾	146	3⅞	84	3	76	5¾	146	-	-	9.5	4.3
WFT-15	1½	40	8½	216	4¼	108	3	76	1⅞	17	-	-	8¾	213	18	8.2
WFT-15	2	50	9⅞	249	4⅞	125	4⅞	125	¾	3	9¾	231	-	-	26	11.8
WFT-30	¾	20	6¼	159	5½	140	3⅞	84	3	76	5¾	146	-	-	9	4.1
WFT-30	1	25	6¼	159	5½	140	3⅞	84	3	76	5¾	146	-	-	9	4.1
WFT-30	1¼	32	6¼	159	5¾	146	3⅞	84	3	76	5¾	146	-	-	9.5	4.3
WFT-30	1½	40	8½	216	4¼	108	3	76	1⅞	17	-	-	8¾	213	18	8.2
WFT-30	2	50	9⅞	249	4⅞	125	4⅞	125	¾	3	9¾	231	-	-	26	11.8
WFT-75	¾	20	6¼	159	5½	140	3⅞	84	3	76	5¾	146	-	-	9	4.1
WFT-75	1	25	6¼	159	5½	140	3⅞	84	3	76	5¾	146	-	-	9	4.1
WFT-75	1¼	32	8½	216	4¼	108	3	76	1⅞	17	-	-	8¾	213	18	8.2
WFT-75	1½	40	8½	216	4¼	108	3	76	1⅞	17	-	-	8¾	213	18	8.2
WFT-75	2	50	9⅞	249	4⅞	125	4⅞	125	¾	3	9¾	231	-	-	26	11.8
WFT-125	¾	20	6¼	159	5½	140	3⅞	84	3	76	5¾	146	-	-	9	4.1
WFT-125	1	25	6¼	159	5½	140	3⅞	84	3	76	5¾	146	-	-	9	4.1
WFT-125	1¼	32	8½	216	4¼	108	3	76	1⅞	17	-	-	8¾	213	18	8.2
WFT-125	1½	40	8½	216	4¼	108	3	76	1⅞	17	-	-	8¾	213	18	8.2
WFT-125	2	50	9⅞	249	4⅞	125	4⅞	125	¾	3	9¾	231	-	-	26	11.8

Illinois
PRODUCTS

WATTS®
REGULATOR

ISO 9001
CERTIFIED

USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.wattsreg.com

Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscda.com

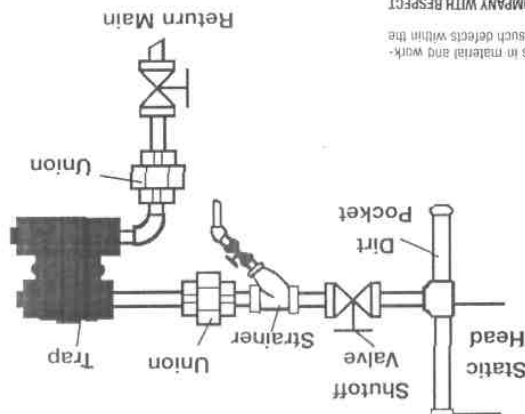
ES-WFT 0323

© Watts Regulator Co., 2003

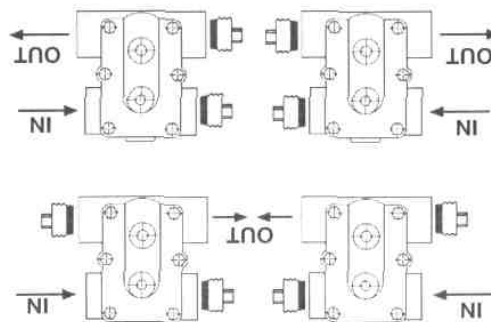
Printed in U.S.A.

CALIFORNIA PROPOSITION 65 WARNING
 WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)
 For more information: www.watts.com/prop65

Limited Warranty: Watts Regulator Co. ("the Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge. THE WARRANTY SET FORTH HEREIN IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product. Some States do not allow limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.



Typical Installation

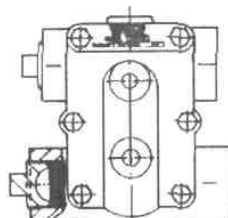


Piping Combinations

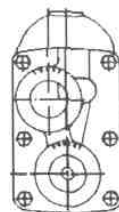
IS-WFT

Series WFT Float & Thermostatic Steam Traps

Installation Instructions:



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



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

Traps should be installed in an accessible position and location for easy servicing. The maximum differential pressure (ΔP) stamped on product name plate must be greater than the maximum pressure differential across the trap. Be sure to install trap straight, plumb, and in a level position to ensure proper operation.

Installation:

1. Install below and close to equipment being drained; avoid long lengths of horizontal piping ahead of trap.
2. Pitch all horizontal inlet lines toward the steam trap to help eliminate potential water hammer problems.
3. Pipe plugs included separately must be placed in the two unused connections on all 3/4", 1" and 1 1/4" WFT-15, WFT-30 traps, see "Piping Combination".
4. A dirt pocket and strainer (with blow down) should always be provided ahead of trap.
5. Union fittings and shutoff valves should be installed on both sides of trap for ease of servicing and trap testing.

Maintenance:

Accumulated dirt and sludge can be removed by "blowing down" through the drain in the bottom of trap. The trap mechanism should be inspected periodically and all dirt removed from working parts. Worn parts must be replaced.



USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com
 Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca

WATTS®

Water Safety & Flow Control Products

This document was created with Win2PDF available at <http://www.win2pdf.com>.
The unregistered version of Win2PDF is for evaluation or non-commercial use only.
This page will not be added after purchasing Win2PDF.