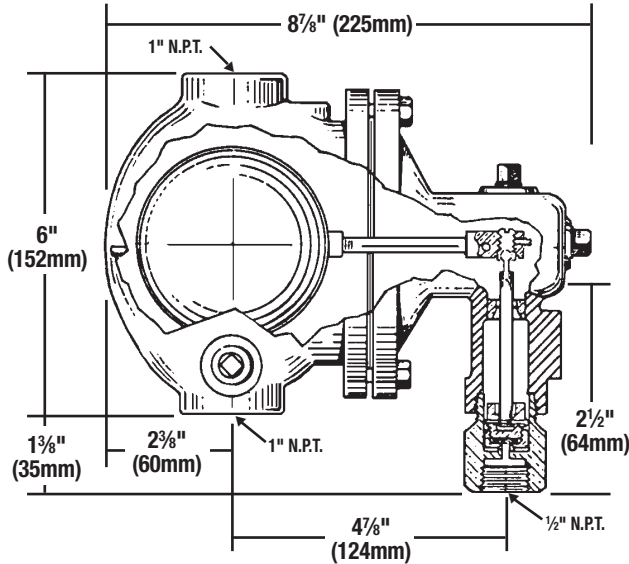


# Watts No. 142 Process Boiler Water Feeder

(With Direct Feed Through Float Chamber)



**WARNING**

**Read this Manual BEFORE using this equipment. Failure to read and follow all safety and use information can result in death, serious personal injury, property damage, or damage to the equipment. Keep this Manual for future reference.**

**THINK SAFETY FIRST**

## Installation Instructions

Install feeder as illustrated. If boiler tapplings for equalizing pipes "A" and "B" are not available, connect either one or both as shown by dotted lines. Install with "water line" mark on float chamber on a level with the middle try-cock, or about halfway up the gauge glass. Connect water supply line "C". If a strainer is used, install it in this line.

Install by-pass "D" so that boiler can be filled by hand, if necessary.

All valves should be tight-closing and of good quality. Leaky valves will flood boiler. Blow down float chamber at least once a week by opening valve "F" and letting water run for a few minutes.

A shutoff and check valve must be installed in the water supply line "E".

**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 GIVEN EXPRESSLY AND 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.**

Without Strainer- - - - - Type 142  
With Strainer- - - - - Type 142S

For use on pressing machines and other small process boilers when feed through float chamber is permissible.

Water is fed automatically as needed to maintain the correct operating level in the boiler.

The entire unit is simple in design and operation, easy to install and inexpensive to operator.

The simple construction of the feed valve permits quick and easy cleaning should it become fouled by dirt in the water supply.

**WARNING**

The valve should be cleaned and inspected for proper operation annually.

## Specifications

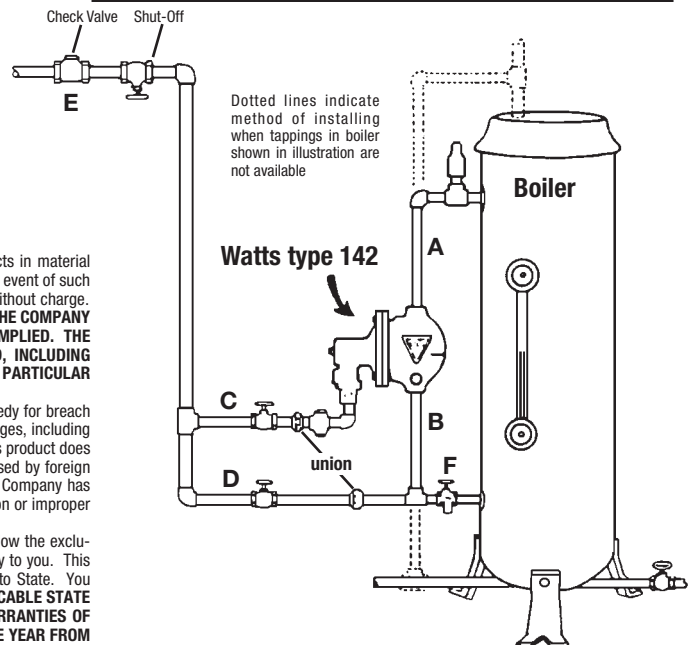
Connections: Water Feed - 1/2" (13mm) N.P.T. Female  
Float Chamber - 1" (25mm) N.P.T. Female

Pressure: Steam - Max. 100 psi (6.9 bars)  
Water - Max. 145 psi

Water Pressure must be at least 10 psi (69 kPa) higher than steam pressure.

## Capacity

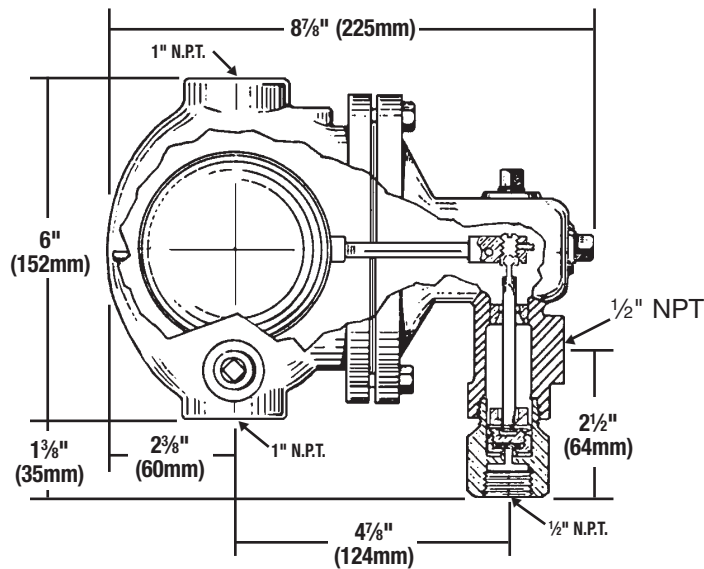
Diff. between steam and water pressure.	Boiler Horse Power
10	8
20	13
30	16
40	18
50	19



# Watts No. 144

## Process Boiler Water Feeder

(With External Water Feed Connections)



### Installation Instructions

Install feeder as illustrated. If boiler tappings for equalizing pipes "A" and "B" are not available, connect either one or both as shown by dotted lines.

Install with "water line" mark on float chamber on a level with the middle try-cock, or about halfway up the gauge glass.

Connect water supply line "C". If a strainer is used, install it in this line. Connect feed line "D" from valve to bottom of boiler.

Install by-pass "E" so that boiler can be filled by hand if necessary.

All valves should be tight-closing and of good quality. Leaky valves will flood boiler.

Blow down float chamber at least once a week by opening valve "F" and letting water run for a few minutes.

A shutoff and check valve must be installed in the water supply line "G".

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.  
For more information: [Watts.com/prop65](http://Watts.com/prop65)



A Watts Water Technologies Company

Without Strainer----- Type 144

With Strainer----- Type 144S

For pressing machine and other small process boilers.

Water is automatically supplied to the boiler as needed to maintain boiler water at the correct working level.

Feed valve is float-operated and simply constructed. Can be easily cleaned if fouled by dirt in the water supply.

Water is fed to the boiler through an independent connection to the bottom of the boiler.

### **WARNING**

The valve should be cleaned and inspected for proper operation annually.

### Specifications

**CONNECTIONS:** Water Feed - 1/2" (13mm)  
N.P.T. Female  
Float Chamber - 1" (25MM)  
N.P.T. Female

**PRESSURE:** Steam - Max. 100 psi (6.9 bars)  
Water - Max. 145 psi  
Water Pressure must be at least 10 psi (69 kPa) higher than steam pressure.

### Capacity

Diff. between steam and water pressure.	Boiler Horse Power
10	8
20	13
30	16
40	18
50	19

