

## For Outdoor Installations

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# WattsBox

## Insulated Enclosures

### Specifications

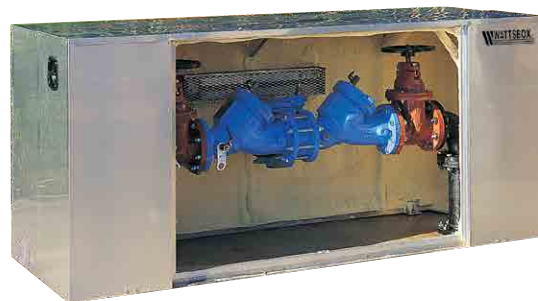
Backflow prevention assemblies subjected to potential freezing conditions shall be protected with the WattsBox enclosure as shown.

The enclosure shall be of reinforced aluminum construction, providing access through doors for testing/certification purposes. It must also be totally removable for maintenance purposes. The enclosure shall be structurally lined with a unicellular, non-wicking insulation consisting of a sandwich laminate or applied by spray. It shall contain a thermostatically controlled heat source mounted to the interior wall or on the backflow preventer to provide protection to -30°F. No wood or "particle board" shall be allowed in assembly. Insulation mounted with glue will be cause for rejection. Power source will be protected with a ground fault circuit interrupting receptacle, UL Standard 943, NEMA 3R, installed by others, inside the box.

The enclosure shall contain drain openings sized to accommodate the maximum discharge of the reduced pressure zone assembly. Drain openings shall open to discharge under the most severe conditions. These openings are protected against intrusion of either wind, debris or animal. The enclosure is provided with means of permanent anchor and "lockable" access doors and/or lid to prohibit theft or vandalism.

All "wet" portions of the backflow prevention assembly shall be protected within the enclosure. Fire department hose connections and OSY indicating valve handles shall be maintained outside the enclosure.

The enclosure shall be factory assembled and delivered to the site ready to install with no drilling, screwing or riveting of enclosure required on site. The enclosure and the backflow preventer shall be covered by a single warranty policy. Enclosure shall be a Watts Series WattsBox.



WattsBox Aluminum Enclosure

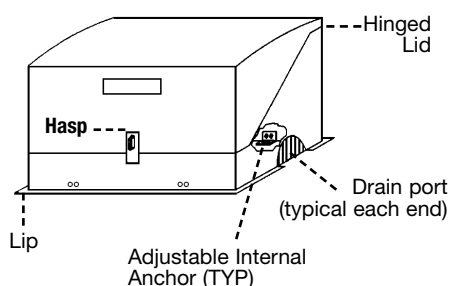
### Features

- Designed to eliminate valve vault entry requirements of OSHA confined Space Ruling 29CFR 1910.146.
- Single source Watts Regulator warranty of the enclosure, the backflow preventer, and the heat source.
- Allows for the installation of the backflow preventer "at the service connection" in accordance with AWWA Standards.
- Is specifically designed to meet NFPA guidelines. The enclosure provides freeze protection to maintain the water supply to the property's fire protection system. (NFPA 3-3.1.8 and 3.6.1.3.2).
- Strategically placed doors provide access to the backflow prevention assembly for testing and repair without removal of the entire unit.
- An economical alternative to expensive retrofit installations.
- Eliminates potential drainage constraints in existing equipment rooms.
- Saves valuable floor space.
- Standardly furnished with thermostatically controlled heat source for freeze protection down to -30°F.
- Contains no structural wood or particle board for long life.
- Easy installation aluminum enclosures feature interlocking panels which eliminate the use of screws during assembly.
- Can be temporarily removed for replacement of the backflow preventer without the need for replacement of freeze protection services.
- ASSE 1060 Certified (Consult factory for approved models)

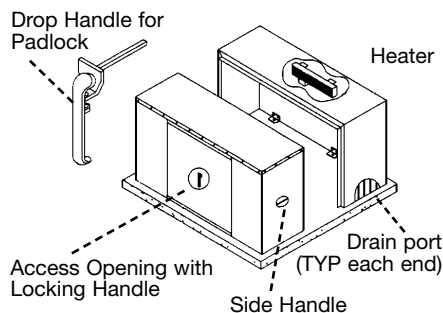
### NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

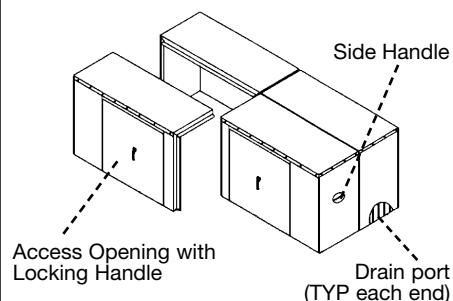
Fiberglass WattsBox  
Models WB-75, WB-N3



Two Piece Aluminum WattsBox  
Models WB-N4, WB-E8




Four Piece Aluminum WattsBox  
Models WB-N10, WB-E10



## Construction

1. Minimum 18 gauge aluminum or fiberglass construction.
2. Structural unicellular insulation.
3. Stainless steel hasps or handle to accept customer supplied lock.
4. Relief ports at enclosure grade level.
5. Designed to protect to -30°F.
6. Minimum R of 8.
7. Adjustable internal anchors.

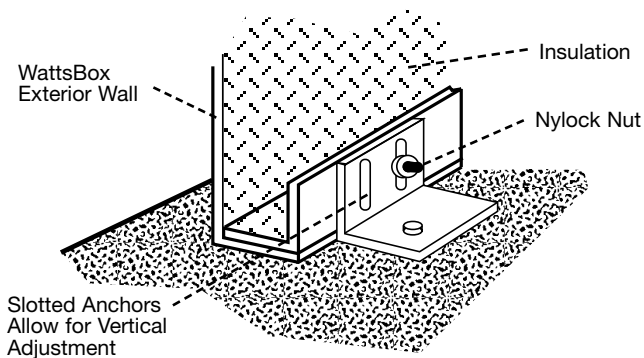
## Heater Notes

1. 30W through 90W are heating cables, UL listed, CSA certified.
2. 1000W+ are wall mounted air heaters,  listed.
3. All circuits are 120 volt, single phase.
4. Service to WattsBox must be installed in accordance with the National Electric code and local ordinances, and protected with a G.F.I.

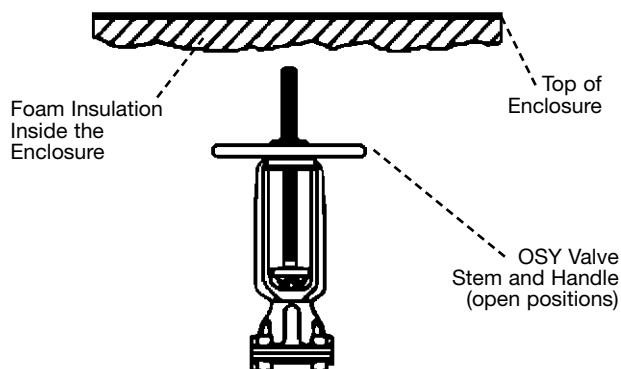
## Typical Installation

1. Enclosure supplied with "anchor angles" at grade.
  - a. Recommended installation: on concrete slab
  - b. "Anchor angles" anchored to grade with mechanical fasteners (interior or exterior)
2. NRS (non-rising stem) valve handles enclosed inside enclosure
3. OSY (outside stem and yoke) valve handles concealed inside enclosure roof.
4. Door and construction hardware are lockable to prevent theft, vandalism or unauthorized entry.

Cutaway View of WattsBox Wall and Anchor



OSY Valve Enclosed — Side View



## Dimensions

(all enclosures are available less heat - contact factory or your local Watts representative for details)

| FITS WATTS VALVES   | WATTS MODEL # | DIMENSIONS                            | HEATERS | WEIGHT LBS. | MOUNTING<br>PAD SIZE |
|---|---------------|---------------------------------------|---------|-------------|----------------------|
|   |               | 12" CLEARANCE LENGTH X WIDTH X HEIGHT |         |             |                      |
| Fiberglass  |               |                                       |         |             |                      |
| Thru ¾"<br>007/LF007, 009/LF009, 909/LF909, 719/LF719, 919/LF919  | WB-75         | 19" x 11" x 22"                       | 30W     | 30          | 28" x 20"            |
| Thru 1"<br>007/LF007, 009/LF009, 909/LF909, 719/LF719, 919/LF919  | WB-1          | 27" x 13" x 23"                       | 60W     | 40          | 36" x 22"            |
| Thru 1½"<br>007/LF007, 009/LF009, 909/LF909, 719/LF719, 919/LF919   | WB-1.5        | 33" x 21" x 25"                       | 60W     | 60          | 44" x 32"            |
| Thru - 2"<br>007/LF007, 009/LF009, 909/LF909, 719/LF719, 919/LF919  | WB-2          | 39" x 13" x 28"                       | 90W     | 55          | 50" x 24"            |
| ¾" - 1"<br>008/LF008, 800/LF800, 288/LF288, 289/LF289   | WB-PVB1       | 18" x 9" x 18"                        | 30W     | 25          | 19" x 27"            |
| (Increases height by 6")  | WB-PVB T1     | 18" x 9" x 24"                        | 30W     | 28          | 19" x 27"            |
| 1¼" - 2"<br>800 / 288   | WB-PVB2       | 26" x 12" x 20"                       | 60W     | 30          | 21" x 35"            |
| (Increases height by 8")  | WB-PVB T2     | 26" x 12" x 28"                       | 60W     | 35          | 21" x 35"            |
| 2½" - 3" all<br>007/LF007, 009/LF009, 909/LF909<br>4" 774 NRS / OSY / DCDA<br>4" 994NRS, 3" 775NRS / OSY / DCDA ,<br>3" 995NRS, 4" 775NRS, 4" 994NRS,<br>2½" - 3" 757DCDA, 2½" - 3" 957QT,<br>2½" - 3" 957RPDA  | WB-N3         | 70" x 26" x 45"                       | 1000W   | 285         | 82" x 38"            |
| 4" 994OSY / RPDA, 4" 775OSY / DCDA,<br>3" 995OSY / RPDA   | WB-E3         | 70" x 26" x 55"                       | 1500W   | 375         | 82" x 38"            |
| 2½" - 3" 957N NRS / OSY / BFG / QT,<br>4" 957N NRS / BFG / QT   | WB 3000       | 45" x 35" x 35"                       | 1000W   | 265         | 57" x 47"            |
| 4" 957N OSY, 4" 757DCDA   | WB 4000       | 53" x 44" x 44"                       | 1000W   | 290         | 65" x 56"            |
| Aluminum  |               |                                       |         |             |                      |
| 4" 709/LF709 NRS / OSY / DCDA,<br>4" 909/LF909 NRS / OSY / RPDA,<br>6" 774NRS / OSY / DCDA,<br>6" 994NRS, 6" 775NRS,<br>6" 995NRS, 8" 775NRS,<br>4" 757NRS / OSY, 6" 757NRS / OSY / BFG,<br>8" 757NRS / BFG, 4" 757DCDA, 6" 757DCDA,<br>4" 957OSY, 6" 957NRS, 8" 957NRS | WB-N4         | 90" x 32" x 50.5"                     | 1900W   | 400         | 102" x 44"           |
| 6" 957OSY, 6" 957RPDA   | WB-E4         | 90" x 32" x 57.5"                     | 1900W   | 435         | 102" x 44"           |
| 6" 709/LF709 NRS / OSY / DCDA,<br>6" 909/LF909 NRS / OSY / RPDA,<br>8" 774 / 994NRS, 10" 774 NRS,<br>10" 957NRS   | WB-N6         | 105" x 36" x 53"                      | 1900W   | 480         | 117" x 48"           |
| 6" 994 OSY / RPDA, 8" 774 OSY / DCDA,<br>10" 994 NRS, 6" 775OSY / DCDA,<br>8" 775OSY / DCDA, 6" 995OSY / RPDA,<br>8" 757OSY, 10" 757NRS, 8" 757DCDA,<br>8" 957OSY, 8" 957RPDA   | WB-E6         | 105" x 36" x 64"                      | 3000W   | 530         | 117" x 48"           |
| 8" 709/LF709, 909/LF909 NRS   | WB-N8         | 118" x 40" x 58"                      | 3000W   | 565         | 130" x 52"           |
| 8" 709/LF709 OSY / DCDA, 8" 909/LF909 / 994OSY / RPDA,<br>10" 774OSY / DCDA,<br>8" 757OSY / DCDA, 8" 957OSY / RPDA,<br>10" 757NRS, 10" 957NRS   | WB-E8         | 118" x 40" x 74"                      | 3000W   | 625         | 130" x 52"           |
| 10" 709/LF709, 909/LF909 NRS  | WB-N10        | 142" x 42" x 65"                      | 3000W   | 620         | 154" x 54"           |
| 10" 709/LF709 OSY / DCDA, 10" 909/LF909 / 994OSY / RPDA,<br>10" 757OSY / DCDA, 10" 957OSY / RPDA  | WB-E10        | 142" x 42" x 85"                      | 3800W   | 700         | 154" x 54"           |
| 2½" - 3" 757N OSY, 4" 757N NRS / BFG,<br>6" 757N NRS / BFG, 6" 957N BFG   | WB 4000AN     | 53" x 33" x 44"                       | 1000W   | 280         | 65" x 45"            |
| 4" 757N OSY, 3" 757N DCDA, 6" 957N NRS,<br>8" 957N NRS, 2½" - 3" 957N RPDA, 4" 957N RPDA  | WB 4000AE     | 53" x 44" x 44"                       | 1000W   | 340         | 65" x 56"            |
| 8" 757N NRS, 4" 957 QT  | WB 6000AN     | 62" x 39" x 46"                       | 1500W   | 350         | 74" x 51"            |
| 6" 757N OSY, 6" 757N DCDA, 6" 957N OSY,<br>8" 957N NRS, 6" 957N RPDA  | WB 6000AE     | 62" x 53" x 46"                       | 1500W   | 440         | 74" x 65"            |