

Hot Box® Drop Over

BACKFLOW PREVENTION ASSEMBLY ENCLOSURE SPECIFICATION

GENERAL

1.1 WORK INCLUDED

- A. Provide and install manufactured backflow prevention assembly enclosure.

1.2 QUALITY ASSURANCE

- A. Qualifications: The backflow prevention assembly enclosure manufacturer shall be a company specializing in the manufacture of backflow prevention assembly enclosures with at least 30 years of successful experience designing and selling enclosures to various customers in different climatic regions.

1.3 STORAGE AND HANDLING

- A. Store products in shipping containers and maintain in dry place until installation.

1.4 ACCEPTABLE MANUFACTURERS

- A. **Hot Box®** or Engineer approved equal.

1.5 REFERENCES

- A. ASSE 1060-Performance Requirements for Outdoor Enclosures for Backflow Prevention assemblies.
- B. ASTM B209.

PRODUCTS

2.1 DROP OVER ENCLOSURE

- A. Enclosure shall ship fully assembled to allow for quick installation by securing to the concrete pad with the supplied anchor brackets.
- B. Enclosure shall be lockable.
- C. Drain ports are sized for full port backflow discharge and are designed for a one way operation allowing backflow discharge but not allowing wind, debris and small animals to enter the enclosure.

2.2 MATERIALS OF FABRICATION

- A. Aluminum sheeting shall be 3003 aluminum (.051"/16 gauge), stucco embossed finish and shall meet ASTM B209. Stucco embossed finish reduces the glare, finger prints and helps hide any surface scratches or imperfections received in the field.
- B. Insulation shall be 1.5" thick polyisocyanurate foam laminated to a glass fiber reinforced facer on each side.
- C. The Insulation shall have the following properties:
 - R-Value 9
 - Dimensional Stability < 2% linear change, ASTM D 2126
 - Compressive Strength 20psi, ASTM D1621
 - Water absorption < 1%, ASTM C209
 - Product Density Nominal 2.0 pcf, ASTM D1622
 - Flame spread 25, ASTM E 84
 - Service Temperature -100°F to 250°F

2.3 HEATING EQUIPMENT (ASSE 1060 Class I-Required; ASSE 1060 Class II-Optional)

- A. Heating equipment shall protect the piping and equipment from exterior temperatures to -30°F. UL listed self regulating cable(s) shall be furnished to maintain the equipment at +40°F, in accordance with ASSE 1060 1.2.2.1.
- B. Power source shall be protected with a GFI receptacle, U.L. 943, NEMA.3R. Mounted a minimum of 8" from the bottom of the receptacle to the top of the slab.

Hot Box
3621 Industrial Park Drive
Lenoir City, TN 37771

Contact Information
Phone: (800) 346-3062
waterhlc@hubbell.com
www.hot-box.com

- C. Separate 15 amp circuits are recommended, so in the event a circuit fails all other circuits will remain powered. Installations must be in accordance with the local and national codes.
- D. The heaters shall be UL or ETL listed for wet/damp locations.

2.4 RECOMMENDED SLAB SIZE & INSTALLATION

- A. The recommended slab size shall be 9" larger than the enclosures exterior dimensions and a minimum of 4" thick.
- B. The enclosure shall be assembled and mounted to concrete pad per the manufactures instructions provided with the enclosure.
- C. The enclosure shall not require assembly.