

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.

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. Plastic shall be 1/4" UV stabilized HDPE structural foam (beige or green color). No wood or particle board to be used in the construction.
- B. Insulation shall be 2" thick (R8), molded expanded polystyrene and is not affected by heat or cold.

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.
- 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 4" larger than the enclosures exterior dimensions.
- 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.

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