




ENCLOSURES DESIGNED FOR THE WORLD'S WATER SYSTEMS™

Specification Submittal Sheet Series 400 – Panel Design Insulated Enclosures

Materials

- Roof, walls, and drain panel – 5052-H32 marine grade aluminum (.050/18 gauge), mill finish, ASTM B209 outside
- Drain panel hinge and spring – stainless steel
- Insulation 1½" (9 "R" value) minimum thickness polyisocyanurate foam laminated to a glass fiber reinforced facer (each side), non-wicking
- Mounting hardware – 300 series stainless steel or T-6 aluminum
- Wedge anchors – Powers SDI – ½" x 3¾"

Standards

- ASSE 1060 
- ASTM B209

Heating Required

- Yes – see separate specification submittal sheet
- No

Dimensions

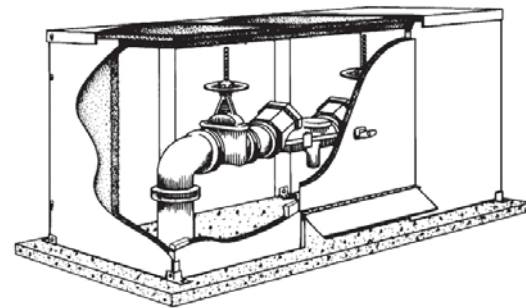
| Model | Inside Dimensions | | | Concrete Pad | | | Ship Weight | Access Panels | Access Panel Size | | Drain Opening | |
|---------------|-------------------|-----|----|--------------|-----|---|-------------|---------------|-------------------|----|---------------|----|
| | W | L | H | W | L | H | | | W | H | W | H |
| 400-AL | 26 | 86 | 44 | 40 | 100 | 6 | 255 | 2 | 28¼ | 44 | 28¼ | 6½ |
| 400D-AL | 58 | 90 | 48 | 72 | 104 | 6 | 461 | 2 | 38¼ | 48 | 38¼ | 6½ |
| 400DS-AL | 58 | 106 | 48 | 72 | 120 | 6 | 516 | 2 | 38¼ | 48 | 38¼ | 6½ |
| 400LU880-AL* | 32 | 36 | 44 | 46 | 50 | 6 | 210 | 2 | 24 | 44 | 24 | 6½ |
| 400T-AL | 26 | 86 | 54 | 40 | 100 | 6 | 300 | 2 | 28¼ | 54 | 28¼ | 6½ |
| 400TD-AL | 58 | 90 | 54 | 72 | 104 | 6 | 486 | 2 | 38¼ | 54 | 38¼ | 6½ |
| 400TDS-AL | 58 | 106 | 54 | 72 | 120 | 6 | 546 | 2 | 38¼ | 54 | 38¼ | 6½ |
| 400TLU880-AL* | 36 | 36 | 44 | 50 | 50 | 6 | 172 | 2 | 28 | 44 | 28 | 6½ |

*Standard compact design models include hinged lift-up roof

All dimensions in inches.

Specifications

A freeze and vandal protective enclosure shall be installed over above ground plumbing systems. The enclosure shall be constructed of 5052-H32 marine grade aluminum with a minimum R9 in the walls and R18 in the roof. Molded fiberglass enclosures will be rejected. Cut board insulation shall be used for uniform insulation thickness. Sprayed insulation shall be reason for rejection. Redwood post and beams shall be utilized for structural support. The use of "Particle board" shall be reason for rejection. The roof of the enclosure shall be removable for maintenance. Enclosures requiring tape to seal the roof seams are prohibited. The enclosures shall have a fully insulated drain panel designed to remain closed, except when discharging water. The drain panel shall be sized to accommodate the maximum discharge for backflow installations. The enclosure shall be mounted securely to a concrete pad and remain locked even if outside screws are removed. All mounting hardware shall be furnished. The enclosure shall withstand winds up to 110 mph with standard anchoring hardware. Anchoring hardware designed for 130 mph winds will be available upon special request (130 mph hardware may require a thicker concrete slab). When heat is required, a slab mounted UL or ETL listed heater shall be provided that has been independently certified to meet the UL-2021 "Rain Test" for damp or wet conditions. Wall-mounted air heaters and self-regulating cables shall not be used as the heat source. The enclosure shall be certified to the most recent ASSE Standard 1060 (Class I or Class II). The insulated enclosure shall be a Safe-T-Cover Series 400.



Description

The enclosure is designed to provide freeze and vandal protection of above ground backflow prevention assemblies, meters, PRV, etc. The enclosure provides for safe and easy testing and maintenance.

The enclosure disassembles easily if full equipment replacement is needed.

Hydrocowl, Inc.

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