

Drainage Openings

Why add drainage openings to the bottom of enclosure?

Enclosures are cleaned and pretreated in chemical solutions in order to:

1. Remove oils and contaminants
2. Etch and add adhesion enhancing chemicals
3. Add corrosion inhibitors that enhance the performance of the final finish



In order to thoroughly treat all surfaces, interior and exterior, enclosures are completely submerged in a 15,000-gallon chemical tank for each of the seven processes. Before moving the enclosure to each process, all fluid must be removed.

Enclosures are also rinsed one or more times between each chemical process in order to neutralize previous chemical and prevent cross contamination of next chemical.

A large enclosure such as a SCE-84XM4018 has a bottom flange size of 7.5 inch and will hold more than 62 gallons of fluid and a SCE-84XM4EW24 will hold more than 125 gallons. The chemicals must be removed and the enclosure immersed into the next chemical stage in under one minute. The enclosure must remain wet as it passes from one process to the next in order to prevent premature flash rusting before the corrosion inhibitor is applied.

The drainage openings provide an efficient and effective way to:

1. Submerge the enclosure (without the openings the enclosure floats).
2. Allow the fluid to drain in the allotted time between each process.

More importantly, the drainage openings allow the chemicals, debris, and contaminants to flush entirely from the enclosure that would otherwise be left in concentrated levels. This will also prevent cross contaminating the tank in the next process.

Drainage opening size and quantity are designed specifically to meet our minimum drainage requirements with maximum effectiveness.

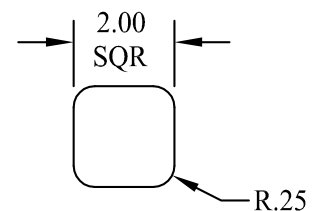
Enclosures are provided with polycarbonate hole seal(s) designed to be installed from the inside of the enclosure with 3M structural adhesive bonding tape applied and ready for installation. Maintains all UL Ratings - Type 1, 3, 3R, 4, 4X and 12. This change takes our product to the next level in coating performance and efficiency.

Hole seals will be included in:

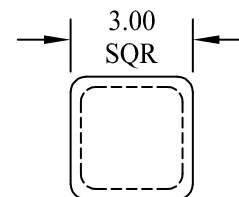
- Heavy-Duty Free-Standing Enclosures
- Modular Enclosures
- Multi-Door Enclosures
- Free-Standing Enclosures
- Floor Mounted Enclosures

Performance Testing by Underwriters Laboratory

- Type 1, 3, 3R, 4, 4X and 12
- Adhesion to Polymeric Materials, Powder Coat, Stainless
- Impact Resistance
- Impact Resistance Cold -30°C
- Oil Immersion
- Oil Exclusion
- Ultraviolet Light (f1)
- Hydro - Rain and Hose Directed 65 gallon per minute
- Water Exposure and Immersion
- Occasional Temporary Submersion
- Flammability UL 94 5VA
- 1200-hour Moist Carbon Dioxide-Sulphur Dioxide-Air
- Tensile Strength and Elongation
- Corrosive Protection
- Polymeric Materials – Use in Electrical Equipment UL 746C



CUTOUT
DETAIL



HOLE SEAL
SCE-HS2S