

Enclosures **J Series**

## **Fiberglass Enclosure 18 x 16 x 8 Inches J Series with Fiberglass Hinged, Screw Down Opaque Cover**



**Catalog  
Number**

**J1816FHW**

**UPC**

**785928212604**

### **DESCRIPTION**

18H x 16W x 8D Inches J Series Fiberglass Enclosure with an "FHW" Opaque Cover (Fiberglass Hinge, 4 Cover Screws) is designed for general electrical and electronic applications. Simple in its design, the enclosure can be configured with modifications such as cutouts and windows. Featuring a modest overhand cover on a flange mounted base, they offer unobstructed side-walls, built in mounting capabilities and a protective wrap around cover. J Series Products enhance any instrument installation.

### **APPLICATION**

- Industrial enclosure for harsh; aggressive environments
- Designed for general electrical and electronic applications; and any application that has associated environmental concerns
- Can be configured with cutouts; windows; and modifications that make the finished product truly unique
- Enhance any instrument installation and accommodate



standard back-panel mounting

## FEATURES

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- Increased wall thickness vs. competitive models offers structural support and prevents potential water ingress
- Integral mounting flange vs. mounting feet (no assembly required)
- Molded-in inserts provide added pull-out strength
- Opaque Cover
- Overhang cover on smooth sided base
- Non-Metallic Hinge
- High temperature; flame retardant; non-corrosive
- All stainless hardware latches and screws
- Full-length; stainless-steel hinge
- Chemically resistant; fiberglass reinforced polyester
- Non-corrosive; environmental designs
- Stainless steel retention chain on screw covers
- Continuous polyurethane gasket
- Manufactured with SolarGuard®, Stahlin's proprietary formulation of non-halogenated fiberglass, offering superior resistance to outdoor exposure, chemicals and flames.
- Back Panels Available for all sizes

## General Information

|                                |                                                |
|--------------------------------|------------------------------------------------|
| Color                          | Gray                                           |
| Cover Type                     | Opaque                                         |
| Mounting Type                  | Wall Mount                                     |
| Material                       | Fiberglass                                     |
| Back Panel Screw Size          | #10-32 x 3/8                                   |
| Back Panel Recommended Torque  | 16-20 in-lbs                                   |
| Back Panel Screw Material      | 304 SS                                         |
| Cover Screw Size               | #10-24 x 5/8                                   |
| Cover Screw Recommended Torque | 20-24 in-lbs                                   |
| Cover Screw Material           | 304 SS                                         |
| Installation Mounting Torque   | 45 in-lbs Max                                  |
| Metal Inserts                  | Brass                                          |
| Hinge Material                 | Glass Filled PBT                               |
| Gasket Material                | Poured In Place (PIP)<br>Polyurethane Seamless |
| Country of Origin              | USA                                            |

## DIMENSIONS

|                   |       |
|-------------------|-------|
| Height (in)       | 19.6  |
| Width (in)        | 17.6  |
| Depth (in)        | 8.8   |
| Height (mm)       | 498.6 |
| Width (mm)        | 447.8 |
| Depth (mm)        | 223.8 |
| Usable Depth (in) | 8.0   |
| Usable Depth (mm) | 203.0 |

## STANDARDS

|                                   |                           |
|-----------------------------------|---------------------------|
| NEMA 10250; UL 50; UL 50e; UL508A | cULus Listed File #E64358 |
| CSA Std. C22.2                    | cULus Listed File #E64358 |
| Type                              | 1; 3R; 4; 4X; 6P; 12      |
| IEC 60529; UL Listed #E362920     | IP66                      |
| UL1741                            | UL Listed File #E333478   |
| Plenum Space UL2043               | Compliant                 |
| Temperature Range °F              | -76°F to +274°F           |
| Temperature Range °C              | -60°C to +134°C           |
| IEC 62262 Impact Rating Listed    | IK10 per File #E362920    |
| Flammability Rating               | UL94-5VA                  |
| NFPA No. 101 Flame Spread         | Class A(1)                |
| Outdoor Exposure UL746c           | (f1) Rated                |
| CE                                | Certified                 |