**nVent | HOFFMAN**

# UNIVERSAL FREE-STAND ENCLOSURES, TYPE 4X



## INDUSTRY STANDARDS

UL 508A Listed; Type 4X, 4, 12, 3R; File No. E61997
cUL Listed per CSA C22.2 No. 94; Type 4X, 4, 12, 3R; File No. E61997

NEMA Type 4X, 4, 12, 3R
CSA File No. 42186: Type 4X, 4, 12, 3R
IEC 60529, IP66
IEC 62208, IK10 Impact Rating

## APPLICATION

Universal Free-Stand Enclosure is designed to protect equipment and employees in industrial manufacturing applications. The one- and two-door models are bayed together to create application-specific configurations for indoor and outdoor use. Accessories are available to improve end user safety and add additional panel space.

## FEATURES

**Primary enclosure (left side open):**
One- and two-door models with a preferred disconnect cutout on the right flange to provide mounting for most disconnect operators. The doors are hinged on the left side to interact with disconnect device. The Primary door activates the furnished mechanical interlock which prevents bayed secondary doors from being opened first. The bayed doors can be closed in any order. The primary door has a defeater which requires a screwdriver to open.

**Secondary enclosure (Both sides open, Right Side Open):**
One- and two-door models are used to expand solution and configure for required application. Two-door models have removable centerpost for improved panel loading. Interlock components are furnished with interlock connection rods shipped loose.

## SPECIFICATIONS

- Body - 12 gauge mild steel
- Doors - 12 gauge mild steel
- Seams are continuously welded and ground smooth
- Body stiffeners in larger enclosures for extra rigidity
- Body flange trough excludes liquids and contaminants
- Heavy-duty lifting eyes anchor into reinforced top
- Concealed, easy-to-remove hinges
- Heavy-duty 3-point latching mechanism operated by padlocking handle on all doors
- Data pocket is high-impact thermoplastic
- Oil-resistant door gasket
- Panel supports
- Bonding provision on door
- Mechanical interlock standard on each enclosure; parts required to connect interlock system between adjacent enclosures are provided

## FINISH

- Universal Free-Stand Enclosure and End Plates are #4 Brushed finish
- Panels (order separately) have white or conductive finish

Standard Product **One-Door Universal Free-Stand Enclosures, Type 4X**

| Catalog Number | AxBxC in./mm | Sides Open | Material | Panel, Painted | Panel, Conductive | Panel Size in./mm |
|---|---|---|---|---|---|---|
| AU72X4018BSSLP | 72.13 x 39.76 x 18.11<br>1832 x 1010 x 460 | Both | Stainless Steel 304 | A72PM40 | A72PM40G | 60.00 x 33.75<br>1524 x 857 |
| AU72X4018LSSLP | 72.13 x 40.24 x 18.11<br>1832 x 1022 x 460 | Left | Stainless Steel 304 | A72PM40 | A72PM40G | 60.00 x 33.75<br>1524 x 857 |
| AU72X4018RSSLP | 72.13 x 39.76 x 18.11<br>1832 x 1010 x 460 | Right | Stainless Steel 304 | A72PM40 | A72PM40G | 60.00 x 33.75<br>1524 x 857 |
| AU84X4018BSSLP | 84.13 x 39.76 x 18.11<br>2137 x 1010 x 460 | Both | Stainless Steel 304 | A84PM40 | A84PM40G | 72.00 x 33.75<br>1829 x 857 |
| AU84X4018LSSLP | 84.13 x 40.24 x 18.11<br>2137 x 1022 x 460 | Left | Stainless Steel 304 | A84PM40 | A84PM40G | 72.00 x 33.75<br>1829 x 857 |
| AU84X4018RSSLP | 84.13 x 39.76 x 18.11<br>2137 x 1010 x 460 | Right | Stainless Steel 304 | A84PM40 | A84PM40G | 72.00 x 33.75<br>1829 x 857 |
| AU84X4024BSSLP | 84.13 x 39.76 x 24.13<br>2137 x 1010 x 613 | Both | Stainless Steel 304 | A84PM40 | A84PM40G | 72.00 x 33.75<br>1829 x 857 |
| AU84X4024LSSLP | 84.13 x 40.24 x 24.13<br>2137 x 1022 x 613 | Left | Stainless Steel 304 | A84PM40 | A84PM40G | 72.00 x 33.75<br>1829 x 857 |
| AU84X4024RSSLP | 84.13 x 39.76 x 24.13<br>2137 x 1010 x 613 | Right | Stainless Steel 304 | A84PM40 | A84PM40G | 72.00 x 33.75<br>1829 x 857 |

Order panels separately.
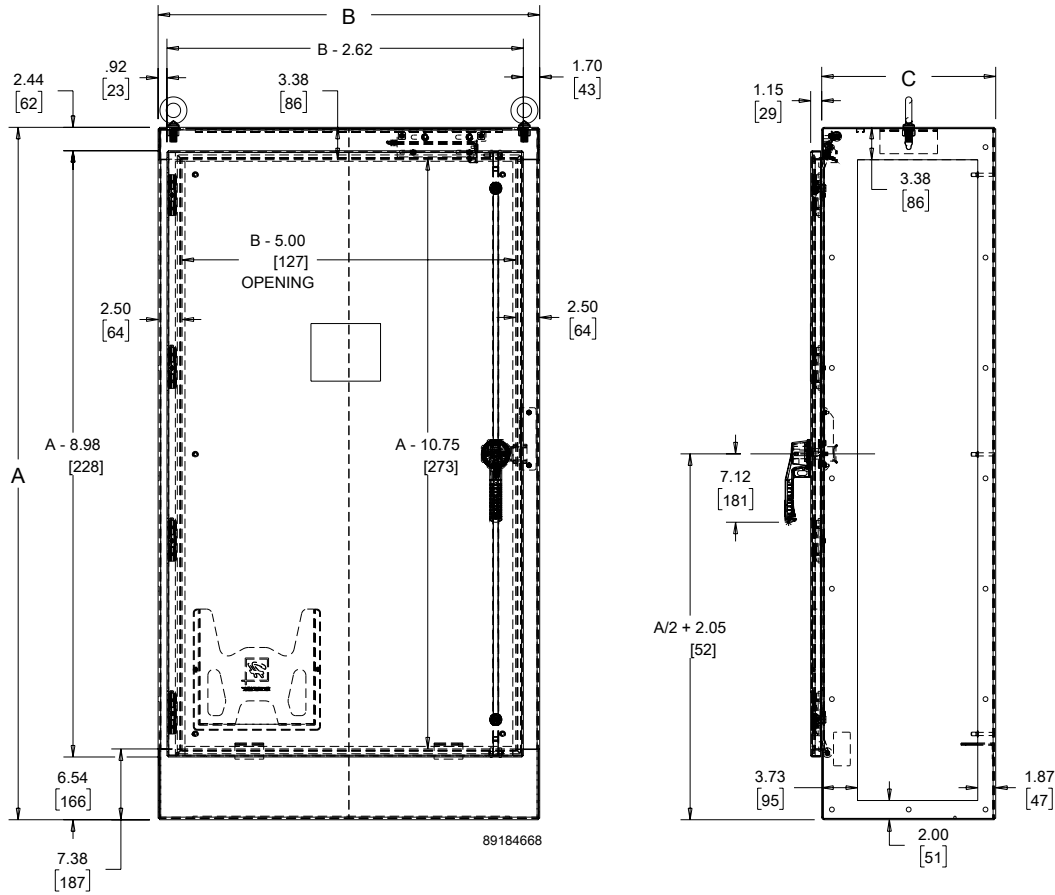


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Standard Product **Two-Door Universal Free-Stand Enclosures, Type 4X**

| Catalog Number | AxBxC in./mm | Sides Open | Material | Panel, Painted | Panel, Conductive | Panel Size in./mm |
|---|---|---|---|---|---|---|
| AU72X7818BSSLP | 72.13 x 77.99 x 18.11<br>1832 x 1981 x 460 | Both | Stainless Steel 304 | A72PM78 | A72PM78G | 60.00 x 72.00<br>1524 x 1829 |
| AU72X7818LSSLP | 72.13 x 78.50 x 18.11<br>1832 x 1994 x 460 | Left | Stainless Steel 304 | A72PM78 | A72PM78G | 60.00 x 72.00<br>1524 x 1829 |
| AU72X7818RSSLP | 72.13 x 77.99 x 18.11<br>1832 x 1981 x 460 | Right | Stainless Steel 304 | A72PM78 | A72PM78G | 60.00 x 72.00<br>1524 x 1829 |
| AU84X7818BSSLP | 84.13 x 77.99 x 18.11<br>2137 x 1981 x 460 | Both | Stainless Steel 304 | A84PM78 | A84PM78G | 72.00 x 72.00<br>1829 x 1829 |
| AU84X7818LSSLP | 84.13 x 78.50 x 18.11<br>2137 x 1994 x 460 | Left | Stainless Steel 304 | A84PM78 | A84PM78G | 72.00 x 72.00<br>1829 x 1829 |
| AU84X7818RSSLP | 84.13 x 77.99 x 18.11<br>2137 x 1981 x 460 | Right | Stainless Steel 304 | A84PM78 | A84PM78G | 72.00 x 72.00<br>1829 x 1829 |
| AU84X7824BSSLP | 84.13 x 77.99 x 24.13<br>2137 x 1981 x 613 | Both | Stainless Steel 304 | A84PM78 | A84PM78G | 72.00 x 72.00<br>1829 x 1829 |
| AU84X7824LSSLP | 84.13 x 78.50 x 24.13<br>2137 x 1994 x 613 | Left | Stainless Steel 304 | A84PM78 | A84PM78G | 72.00 x 72.00<br>1829 x 1829 |
| AU84X7824RSSLP | 84.13 x 77.99 x 24.13<br>2137 x 1981 x 613 | Right | Stainless Steel 304 | A84PM78 | A84PM78G | 72.00 x 72.00<br>1829 x 1829 |

Order panels separately.



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## DISCONNECT CUTOUT DIMENSIONS

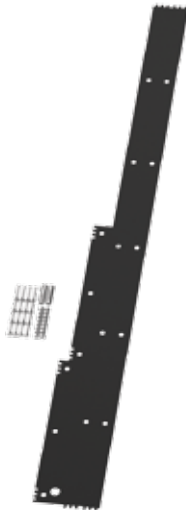The universal Free-Stand left side open models have a preferred cutout with the following critical dimensions. Consult disconnect manufactures instruction manual for proper device installation.

Panel
Enclosure

4.06
[103]

2.44
[62]

0.91
[23]

1.53
[39]

11.87 - 17.87
[301]   [454]

7.81 - 13.81
[198]   [351]

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1.47
[37]

3.00
[76]
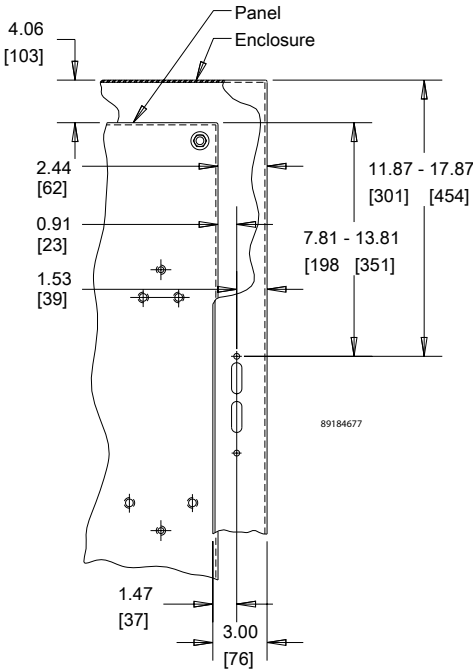
## UNIVERSAL FREE-STAND GASKET BAYING KIT

Gasket Baying Kit is used to bay multiple Universal Free-Stand Enclosures together and is rated 4, 12, 3R and IP66. Includes gasket and baying hardware.

Standard Product

| Catalog Number | Height in./mm | Width in./mm | Depth in./mm |
|---|---|---|---|
| AU7218FGK | 72.13 1832 | 18.11 460 | .13 3 |
| AU8418FGK | 84.13 2137 | 18.11 460 | .13 3 |
| AU8424FGK | 84.13 2137 | 24.13 613 | .13 3 |

## UNIVERSAL FREE-STAND FORMED END PLATE, STAINLESS STEEL



End plate is used to seal open side(s) of Universal Free-stand Enclosures. The 2.50-inch deep End Plate allows extra wiring space and is Type 4X, 4, 12, 3R and IP66 rated. Gasket and mounting bolts are included.

Standard Product

| Catalog Number | Material | Height in./mm | Width in./mm | Depth in./mm |
|---|---|---|---|---|
| AU7218EPTSS | Stainless Steel 304 | 72.13 1832 | 18.11 460 | 2.50 64 |
| AU8418EPTSS | Stainless Steel 304 | 84.13 2137 | 18.11 460 | 2.50 64 |
| AU8424EPTSS | Stainless Steel 304 | 84.13 2137 | 24.13 613 | 2.50 64 |

## UNIVERSAL FREE-STAND FLAT END PLATE, STAINLESS STEEL



Flat End plate is used to seal open side(s) of Universal Free-Stand Enclosures. The Flat End Plate provides a low profile cover and is Type 4X, 4, 12, 3R, and IP66 rated. Studs welded to the end plate eliminate bolt holes. Gasket and mounting hardware are furnished.

Standard Product

| Catalog Number | Material | Height in./mm | Width in./mm |
|---|---|---|---|
| AU7218FEPSS | Stainless Steel 304 | 72.13 1832 | 18.11 460 |
| AU8418FEPSS | Stainless Steel 304 | 84.13 2137 | 18.11 460 |
| AU8424FEPSS | Stainless Steel 304 | 84.13 2137 | 24.13 613 |

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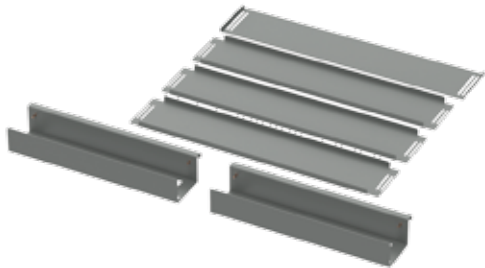## UNIVERSAL FREE-STAND BARRIER PANEL

Barrier Panel is used to provide a Type 1 rated barrier between individual Universal Free-Stand Enclosures. Two-piece design mounts on the inside of the enclosure reducing a leak point, installation time and complexity. No additional hardware is required to install barrier once enclosures are bayed together.

### Standard Product

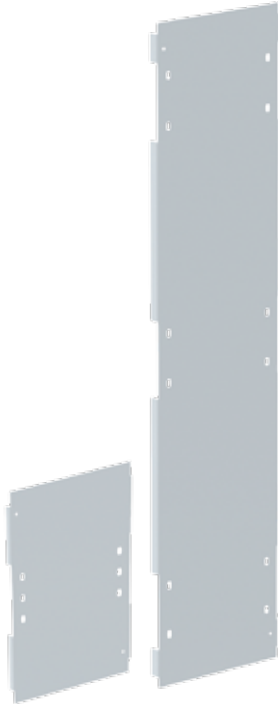| Catalog Number | Material | Color | Height in./mm | Width in./mm |
|---|---|---|---|---|
| AU7218BP | Mild Steel | ANSI 61 Gray | 72.01 1829 | 17.64 448 |
| AU8418BP | Mild Steel | ANSI 61 Gray | 84.02 2134 | 17.64 448 |
| AU8424BP | Mild Steel | ANSI 61 Gray | 84.02 2134 | 23.62 600 |

## UNIVERSAL FREE-STAND SLIDING FALSE FLOOR

The Sliding False Floor is used to provide a Type 1 rated barrier between the bottom of the Universal Free-Stand Enclosure and the panel area.

### Standard Product

| Catalog Number | Material | Color | Height in./mm | Width in./mm | Depth in./mm |
|---|---|---|---|---|---|
| AU4018SFF | Mild Steel | ANSI 61 Gray | 5.98 152 | 39.45 1002 | 17.52 445 |
| AU4024SFF | Mild Steel | ANSI 61 Gray | 5.98 152 | 39.45 1002 | 23.50 597 |

## UNIVERSAL FREE-STAND SIDE PANEL

Side Panels can be added to any two-bayed surfaces for additional panel space without effecting the type rating.

### Standard Product **Small Side Panels**

| Catalog Number | Material | Finish | Color | Height in./mm | Width in./mm | Depth in./mm |
|---|---|---|---|---|---|---|
| AU2418SP | Mild Steel | Painted | White | 22.52 572 | 14.02 356 | 0.84 21 |
| AU2418SPG | Mild Steel | Galvanized | Unpainted | 22.52 572 | 14.02 356 | 0.84 21 |
| AU2424SP | Mild Steel | Painted | White | 22.52 572 | 20.00 508 | 0.84 21 |
| AU2424SPG | Mild Steel | Galvanized | Unpainted | 22.52 572 | 20.00 508 | 0.84 21 |

### Standard Product **Full Side Panels**

| Catalog Number | Material | Finish | Color | Height in./mm | Width in./mm | Depth in./mm |
|---|---|---|---|---|---|---|
| AU7218SP | Mild Steel | Painted | White | 60.00 1524 | 14.02 356 | 0.84 21 |
| AU7218SPG | Mild Steel | Galvanized | Unpainted | 60.00 1524 | 14.02 356 | 0.84 21 |
| AU8418SP | Mild Steel | Painted | White | 72.01 1829 | 14.02 356 | 0.84 21 |
| AU8418SPG | Mild Steel | Galvanized | Unpainted | 72.01 1829 | 14.02 356 | 0.84 21 |
| AU8424SP | Mild Steel | Painted | White | 72.01 1829 | 20.00 508 | 0.84 21 |
| AU8424SPG | Mild Steel | Galvanized | Unpainted | 72.01 1829 | 20.00 508 | 0.84 21 |

## UNIVERSAL FREE-STAND FILLER PANEL

Filler panels are installed between two-bayed panels to provide a flush surface to run conduit and mount components.

### Standard Product

| Catalog Number | Material | Finish | Color | Height in./mm | Width Bracket in./mm | Width Filler Panel in./mm | Depth in./mm |
|---|---|---|---|---|---|---|---|
| AU72FP | Mild Steel | Painted | White | 60.00 1524 | 10.50 267 | 5.57 141 | 0.84 21 |
| AU72FPG | Mild Steel | Galvanized | Unpainted | 60.00 1524 | 10.50 267 | 5.57 141 | 0.84 21 |
| AU84FP | Mild Steel | Painted | White | 72.01 1829 | 10.50 267 | 5.57 141 | 0.84 21 |
| AU84FPG | Mild Steel | Galvanized | Unpainted | 72.01 1829 | 10.50 267 | 5.57 141 | 0.84 21 |

## UNIVERSAL FREE-STAND PANEL GLIDER
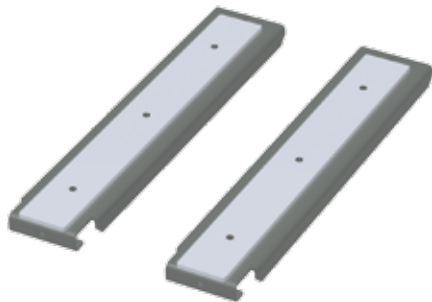


Panel Gliders are used to provide a smooth surface from the front lip of the enclosure to the back panel support. Gliders assist and improve panel installation process.

### Standard Product

| Catalog Number | Height in./mm | Width in./mm | Depth in./mm |
|---|---|---|---|
| AU18PGR | 17.00 | 3.37 | 1.03 |
| | 432 | 86 | 26 |
| AU24PGR | 23.00 | 3.37 | 1.03 |
| | 584 | 86 | 26 |

## UNIVERSAL FREE-STAND OPERATOR RELEASE MECHANISM



The Operator Release Mechanism provides a connection between the primary door handle position and the disconnect device. If the primary door handle is opened, the disconnect cannot be turned on.

### Standard Product

| Catalog Number | Height in./mm | Width in./mm |
|---|---|---|
| AUORMK | 9.88 | 1.61 |
| | 251 | 41 |