

**ZONEX™ ATEX- AND IECEx-CERTIFIED, TYPE 4X**

**THORNE &  
DERRICK  
INTERNATIONAL**

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**INDUSTRY STANDARDS**
**ATEX Directive 94/9/EC  
ATEX**

Sira 09ATEX3224U  
 Ex e IIC Gb  
 Ex tb IIIC Db IP 66

EN 60079-0:2009  
 EN 60079-7:2007  
 EN 61241-0:2006  
 EN 61241-1:2004

**IECEX**

IECEX SIR 09.0099U  
 Ex e IIC Gb  
 Ex tb IIIC Db IP 66

IEC 60079-0:2007-2010  
 IEC 60079-7:2006-2007  
 IEC 61241-0:2004  
 IEC 61241-1:2004

**AEx/Ex**

UL File E67456 Class I, Zone I  
 AEx e IIC Tamb -20C to +60C  
 Ex e IIC U Tamb -20C to +60C

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

NEMA/EMAC Type 4, 4X, 12  
 IEC 60529, IP66

**APPLICATION**

ZONEX™ Enclosures are designed and certified to meet ATEX Directive 94/9/EC as well as IECEx and AEx standards for increased safety in housing electrical components in Zone 1 and Zone 2 applications.

Hoffman's ATEX Ex e enclosures are not intended for use in explosion-proof or flame-proof applications.

**FEATURES**

- Easy-to-use Type 316 stainless steel quarter-turn door latching
- 3-mm double-bit insert for security
- Slot and through-hole side-mount hanging brackets
- Lift-off door hinges
- Removable gland plates; one or three gland plates standard

**SPECIFICATIONS**

- Fabricated from Type 316 stainless steel
- Type 316 stainless steel external fasteners
- Gray silicone high-temperature gasket on doors and gland plates; operating temperature range -55 C to +180 C
- Internal/external brass earth/ground provision

**FINISH**

#3 brushed finish

**ACCESSORIES**

Panels  
 Hazardous Location Thermostat  
 Hazardous Location Heater

**MODIFICATION AND CUSTOMIZATION**

Hoffman excels at modifying and customizing products to your specifications. Contact your local Hoffman sales office or distributor for complete information.

Hoffman offers a ZONEX-specific modification program with ATEX certification.

**BULLETIN: HL**



| Catalog Number | AxBxC mm/in.                            | Number of Gland Plates | White Panel | Conductive Panel | Panel Size D x E mm/in.    |
|----------------|-----------------------------------------|------------------------|-------------|------------------|----------------------------|
| ATEX262616SS61 | 260 x 260 x 160<br>10.24 x 10.24 x 6.30 | 1                      | ATEX26P26   | ATEX26P26G       | 214 x 214<br>8.44 x 8.44   |
| ATEX262620SS61 | 260 x 260 x 205<br>10.24 x 10.24 x 8.07 | 1                      | ATEX26P26   | ATEX26P26G       | 214 x 214<br>8.44 x 8.44   |
| ATEX303016SS61 | 306 x 306 x 160<br>12.05 x 12.05 x 6.30 | 1                      | ATEX30P30   | ATEX30P30G       | 260 x 260<br>10.25 x 10.25 |
| ATEX303020SS61 | 306 x 306 x 205<br>12.05 x 12.05 x 8.07 | 1                      | ATEX30P30   | ATEX30P30G       | 260 x 260<br>10.25 x 10.25 |
| ATEX382616SS61 | 380 x 260 x 160<br>14.96 x 10.24 x 6.30 | 1                      | ATEX38P26   | ATEX38P26G       | 334 x 214<br>13.16 x 8.44  |
| ATEX382620SS61 | 380 x 260 x 205<br>14.96 x 10.24 x 8.07 | 1                      | ATEX38P26   | ATEX38P26G       | 334 x 214<br>13.16 x 8.44  |
| ATEX453816SS61 | 458 x 382 x 160<br>18.03 x 15.04 x 6.30 | 1                      | ATEX45P38   | ATEX45P38G       | 412 x 336<br>16.23 x 13.24 |
| ATEX484820SS61 | 480 x 480 x 205<br>18.90 x 18.90 x 8.07 | 1                      | ATEX48P48   | ATEX48P48G       | 434 x 434<br>17.10 x 17.10 |
| ATEX503516SS61 | 500 x 350 x 160<br>19.69 x 13.78 x 6.30 | 1                      | ATEX50P35   | ATEX50P35G       | 454 x 304<br>17.89 x 11.98 |
| ATEX503520SS61 | 500 x 350 x 205<br>19.69 x 13.78 x 8.07 | 1                      | ATEX50P35   | ATEX50P35G       | 454 x 304<br>17.89 x 11.98 |
| ATEX624520SS61 | 620 x 450 x 205<br>24.41 x 17.72 x 8.07 | 1                      | ATEX62P45   | ATEX62P45G       | 574 x 404<br>22.61 x 15.92 |
| ATEX745520SS61 | 740 x 550 x 205<br>29.13 x 21.65 x 8.07 | 1                      | ATEX74P55   | ATEX74P55G       | 694 x 504<br>27.33 x 19.85 |
| ATEX765020SS61 | 762 x 508 x 205<br>30.00 x 20.00 x 8.07 | 1                      | ATEX76P50   | ATEX76P50G       | 716 x 462<br>28.20 x 18.20 |

Technical drawings of the 87924899 enclosure showing front, top, and side views with dimensions in mm and inches.

**Top View Dimensions:**

- Overall Width: B+76 mm (3.00)
- Overall Height: C-64 mm (2.52)
- Internal Width: B-99 mm (3.88)
- Bottom Gland Plate: 24 mm (.94)

**Front View Dimensions:**

- Overall Width: B+38 mm (1.50)
- Overall Height: A
- Door Opening Width: B-42 mm (1.64)
- Door Opening Height: A-102 mm (4.00)
- Door Grounding Provision: 21 mm (.82)
- Door Opening Height (from bottom): A-72 mm (1.64)
- Door Opening Height (from top): 21 mm (.82)
- Door Opening Height (from bottom): 51 mm (2.00)
- Door Opening Height (from top): 17 mm (.69)
- Door Opening Height (from bottom): 13 mm (.50)
- Door Opening Height (from top): 5 mm (.19) X 8 mm (.31) SLOT (2X)
- Door Opening Height (from bottom): 6 mm (.24)

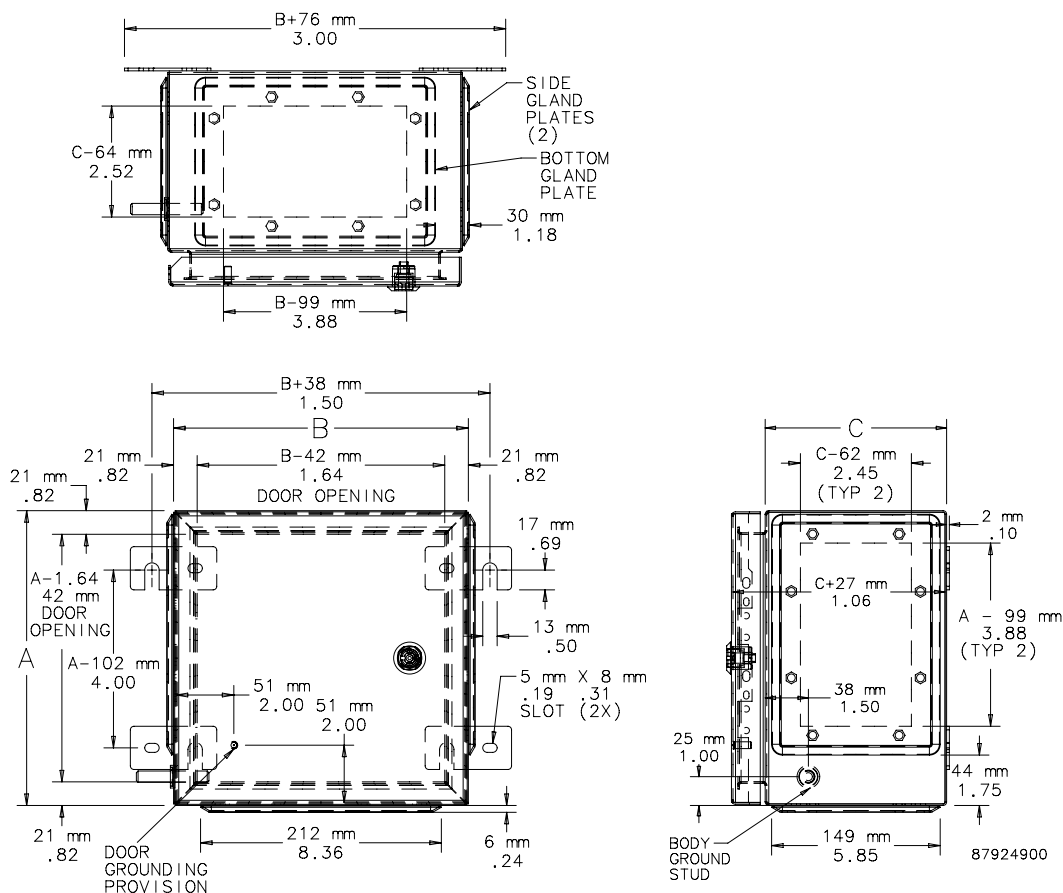
**Side View Dimensions:**

- Overall Width: C
- Overall Height: 2 mm (.10)
- Internal Width: C+27 mm (1.06)
- Internal Height: 38 mm (1.50)
- Internal Height: 25 mm (1.00)
- Internal Height: 149 mm (5.85)
- Body Ground Stud: 87924899

## Standard Product **ZONEX** Enclosures with Three Gland Plates

| Catalog Number | AxBxC mm/in.                            | Number of Gland Plates | White Panel | Conductive Panel | Panel Size D x E mm/in.    |
|----------------|-----------------------------------------|------------------------|-------------|------------------|----------------------------|
| ATEX262616SS63 | 260 x 260 x 160<br>10.24 x 10.24 x 6.30 | 3                      | ATEX26P26   | ATEX26P26G       | 214 x 214<br>8.44 x 8.44   |
| ATEX262620SS63 | 260 x 260 x 205<br>10.24 x 10.24 x 8.07 | 3                      | ATEX26P26   | ATEX26P26G       | 214 x 214<br>8.44 x 8.44   |
| ATEX303016SS63 | 306 x 306 x 160<br>12.05 x 12.05 x 6.30 | 3                      | ATEX30P30   | ATEX30P30G       | 260 x 260<br>10.25 x 10.25 |
| ATEX303020SS63 | 306 x 306 x 205<br>12.05 x 12.05 x 8.07 | 3                      | ATEX30P30   | ATEX30P30G       | 260 x 260<br>10.25 x 10.25 |
| ATEX382616SS63 | 380 x 260 x 160<br>14.96 x 10.24 x 6.30 | 3                      | ATEX38P26   | ATEX38P26G       | 334 x 214<br>13.16 x 8.44  |
| ATEX382620SS63 | 380 x 260 x 205<br>14.96 x 10.24 x 8.07 | 3                      | ATEX38P26   | ATEX38P26G       | 334 x 214<br>13.16 x 8.44  |
| ATEX453816SS63 | 458 x 382 x 160<br>18.03 x 15.04 x 6.30 | 3                      | ATEX45P38   | ATEX45P38G       | 412 x 336<br>16.23 x 13.24 |
| ATEX484820SS63 | 480 x 480 x 205<br>18.90 x 18.90 x 8.07 | 3                      | ATEX48P48   | ATEX48P48G       | 434 x 434<br>17.10 x 17.10 |
| ATEX503516SS63 | 500 x 350 x 160<br>19.69 x 13.78 x 6.30 | 3                      | ATEX50P35   | ATEX50P35G       | 454 x 304<br>17.89 x 11.98 |
| ATEX503520SS63 | 500 x 350 x 205<br>19.69 x 13.78 x 8.07 | 3                      | ATEX50P35   | ATEX50P35G       | 454 x 304<br>17.89 x 11.98 |
| ATEX624520SS63 | 620 x 450 x 205<br>24.41 x 17.72 x 8.07 | 3                      | ATEX62P45   | ATEX62P45G       | 574 x 404<br>22.61 x 15.92 |
| ATEX745520SS63 | 740 x 550 x 205<br>29.13 x 21.65 x 8.07 | 3                      | ATEX74P55   | ATEX74P55G       | 694 x 504<br>27.33 x 19.85 |
| ATEX765020SS63 | 762 x 508 x 205<br>30.00 x 20.00 x 8.07 | 3                      | ATEX76P50   | ATEX76P50G       | 716 x 462<br>28.20 x 18.20 |

Purchase panels separately.

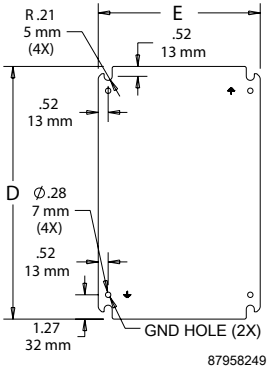


ZONEX™ ACCESSORY PANELS

Steel panels are 12 gauge finished with white polyester powder paint or with a conductive, corrosion-resistant coating. Panel mounting hardware is furnished with all ZONEX enclosures.

BULLETIN: HL

| Catalog Number | AxB mm    | AxB in.       | Panel Type | Panel Size<br>D x E (mm) | Panel Size<br>D x E (in.) |
|----------------|-----------|---------------|------------|--------------------------|---------------------------|
| ATEX26P26      | 215 x 215 | 8.46 x 8.46   | White      | 214 x 214                | 8.44 x 8.44               |
| ATEX26P26G     | 215 x 215 | 8.46 x 8.46   | Conductive | 214 x 214                | 8.44 x 8.44               |
| ATEX30P30      | 261 x 261 | 10.28 x 10.28 | White      | 260 x 260                | 10.25 x 10.25             |
| ATEX30P30G     | 261 x 261 | 10.28 x 10.28 | Conductive | 260 x 260                | 10.25 x 10.25             |
| ATEX38P26      | 335 x 215 | 13.19 x 8.46  | White      | 334 x 214                | 13.16 x 8.44              |
| ATEX38P26G     | 335 x 215 | 13.19 x 8.46  | Conductive | 334 x 214                | 13.16 x 8.44              |
| ATEX45P38      | 413 x 337 | 16.26 x 13.27 | White      | 412 x 336                | 16.23 x 13.24             |
| ATEX45P38G     | 413 x 337 | 16.26 x 13.27 | Conductive | 412 x 336                | 16.23 x 13.24             |
| ATEX48P48      | 435 x 435 | 17.13 x 17.13 | White      | 434 x 434                | 17.10 x 17.10             |
| ATEX48P48G     | 435 x 435 | 17.13 x 17.13 | Conductive | 434 x 434                | 17.10 x 17.10             |
| ATEX50P35      | 455 x 305 | 17.91 x 12.01 | White      | 454 x 304                | 17.89 x 11.98             |
| ATEX50P35G     | 455 x 305 | 17.91 x 12.01 | Conductive | 454 x 304                | 17.89 x 11.98             |
| ATEX62P45      | 574 x 405 | 22.60 x 15.94 | White      | 574 x 404                | 22.61 x 15.92             |
| ATEX62P45G     | 574 x 405 | 22.60 x 15.94 | Conductive | 574 x 404                | 22.61 x 15.92             |
| ATEX74P55      | 695 x 505 | 27.36 x 19.88 | White      | 694 x 504                | 27.33 x 19.85             |
| ATEX74P55G     | 695 x 505 | 27.36 x 19.88 | Conductive | 694 x 504                | 27.33 x 19.85             |
| ATEX76P50      | 717 x 463 | 28.23 x 18.23 | White      | 716 x 462                | 28.20 x 18.20             |
| ATEX76P50G     | 717 x 463 | 28.23 x 18.23 | Conductive | 716 x 462                | 28.20 x 18.20             |



ATEX DIRECTIVE AND CLASSIFICATION SYSTEM

Since 2003, manufacturers across the European Union (EU) have been obliged to comply with strict new EU directives governing safety in explosive atmospheres. Called ATEX (from the French Atmosphères EXplosives), ATEX Directive 94/9/EC has an impact not only on European manufacturers, but also on non-European makers of industrial equipment wishing to sell in Europe.

Two of the most common classification systems for hazardous locations are the NEC Division Classification system and the Zone Classification system used by the European Union (EU) and the International Electrotechnical Commission (IEC).

Article 500 of the NEC also classifies hazardous locations according to the properties of the flammable vapors, liquids or gases, or according to the combustible dusts or fibers that may be present and the likelihood that a flammable or combustible concentration or quantity is present. Articles 505 and 506 of the NEC refer to zone classifications. Refer to the Technical Information section of the Specifier's Guide for specific definitions and additional information.

Hoffman's ATEX enclosures are not intended for use in explosion-proof or flame-proof (Ex d) applications.

NEC Divisions and IEC Zones (Not Interchangeable)

| Frequency of Hazard Occurrence | NEC Division Classification System | EU and IEC Zone Classification System |
|--------------------------------|------------------------------------|---------------------------------------|
| Continuous Hazard              | Division 1                         | Zone 0                                |
| Intermittent, Periodic Hazards | Division 1                         | Zone 1                                |
| Abnormal Condition Hazard      | Division 2                         | Zone 2                                |



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