Hazardous Location Solutions
Proven Protection to Reduce Risk

NVENT HOFFMAN HAZARDOUS LOCATION SOLUTIONS
INCREASE SAFETY AND MEET GLOBAL STANDARDS

EQUIPMENT PROTECTION FOR CLASSIFIED HAZARDOUS LOCATIONS

HOFFMAN offers an extensive line of enclosures and products to safely house electrical systems and electronic components in environments subject to potentially hazardous atmospheres created by vapor or dust including:

- Onshore and offshore oil and gas
- Chemical and petrochemical
- Pulping and paper plants
- Pharmaceutical
- Grain processing and storage

HOFFMAN hazardous location enclosures also offer protection against corrosive conditions and condensation, humidity, high internal and external temperatures, and weather extremes.

HOFFMAN ZONEX ENCLOSURES

ATEX- AND IECEX-CERTIFIED ENCLOSURE PLATFORM

Zonex enclosures and junction boxes are designed and certified to meet ATEX Directive 94/9/EC for “increased safety” (Ex e) applications, acceptable to safely house electrical components in Zone 1 and Zone 2 rated areas. Zonex enclosures are offered in hinge-cover and screw-cover models in Type 316 stainless steel and non-metallic compression molded fiberglass in an extensive range of standard sizes. Hinge-cover enclosures are available in inch- and metric-dimensioned models for global deployment. A wide selection of gland plates and panels are available to meet a host of termination and junction application requirements.
THERMAL MANAGEMENT

VOlTEX A/C ENCLOSURE COOLERS, HEATER AND THERMOSTAT
Certified thermal management solutions regulate the internal temperature and mitigate condensation within enclosures in hazardous locations.

ACCESSORIES

BREATHER DRAINS, HOLE SEALS, WINDOW KITS AND INTERNAL LED LIGHTING
Certified for use in hazardous applications, HOFFMAN accessories provide low-maintenance options to enhance enclosure performance and function in the most demanding conditions.

PURGE AND PRESSURIZATION

CONTROLLERS, RELIEF VALVES, AND SPARK ARRESTORS
Enclosures with purge/pressurization systems remove potentially hazardous atmospheres from enclosures and replace it with inert gas or air at a pressure sufficient to prevent ingress of ambient air. Equipped enclosures can house and allow operation of general purpose equipment not otherwise approved for use in hazardous areas. Systems include dual-rated ATEX, IECEx, and NFPA Type Y and Z, or Type X, for use in classified hazardous environments.
For Specific Oil and Gas Solutions, Come to HOFFMAN

OPTIMIZE YOUR HAZARDOUS LOCATION APPLICATION WITH FLEXIBLE ENCLOSURE DESIGN, MODIFICATIONS, AND ACCESSORIES

DESIGN YOUR ENCLOSURE EXACTLY HOW YOU NEED IT

More selection. More flexibility. More service. Unlimited possibilities. That’s Excelerate – the fastest way to get exactly what you need with advantages only HOFFMAN can offer:

• Industry-leading selection of products, sizes, configurations, accessories and options
• Standard products can be modified while maintaining agency certifications via on-site certified test lab
• Freestanding and multi-bay configurations
• Most standard products available off-the-shelf
• New Online Modification Tool lets you build the exact enclosure and protection features you need
• HOFFMAN ships your modified enclosure in as few as 10 days

Start with a standard and select from thousands of common modifications including:

• Dimension changes
• Holes and cutouts
• Paint colors and finish options
• Material selections
• Door and latching accessories
• Mounting options
• Panels and sub-panels
• Power provisions
• Cable management
• Cooling options

CERTIFIED ASSEMBLY PROGRAM

HOFFMAN offers a certified assembly program that allows approved companies to provide value-added services:

• Populating enclosures with terminal blocks
• Modifying enclosures with holes, cutouts, cable glands, and customer tags
• Provides ATEX / IECEx certificate for assembled enclosure

Contact your HOFFMAN sales representative for more information.
Super durable paints provide corrosion protection in harsh and hazardous applications

Interior configurations to meet your application needs
• Terminal block installation and labeling
• DIN rails or back panels
• Modify mounting brackets

WEATHER SHIELDS
• Protect against excessive heat, UV exposure, or driving rains
• Available in many configurations and sizes

Material changes with Type 304/316 stainless steel, aluminum, and mild steel available

Vortex A/C Enclosure Coolers regulate internal temperature

Purging/pressurization system supplies enclosure with a protective gas supply

FREESTANDING ENCLOSURE
• Certified ATEX and IECEx
• Up to 6 door bays

HEIGHTS
10-90 INCHES

WIDTHS PER DOOR
10-36 INCHES

DEPTHS
5-36 INCHES
HOFFMAN Zonex
NON-METALLIC GRP ENCLOSURES

FEATURES
• Corrosion resistant for long service life with glass reinforced polyester (GRP) and Type 316 stainless steel fasteners
• Easy installation with molded in place mounting dimensions and internal stainless steel inserts for DIN rails and panels
• Secure sealing to protect equipment with continuous silicone gasket ideal delivering Type 4X and IP66 ratings

SPECIFICATIONS
• Made of glass-reinforced polyester for high impact strength
• Wide temperature range (-50 to 100°C, -58 to 212°F)

CERTIFICATIONS
• Zone 1 or 2 classified areas
• IECEx, ATEX, and AEx approvals
  – Ex e IIIC Gb
  – Ex ta IIIC Da IP66
• UL 508 / cUL Type 4, 4X & 12
• NEMA / EEMAC Type 4, 4X, 12
• IEC IP66 Rated

NON-METALLIC ATEX (Standard Sizes)

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description (mm)</th>
<th>Panel*</th>
<th>Panel Material</th>
<th>Panel Size (mm)</th>
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</thead>
<tbody>
<tr>
<td>EXE12212090</td>
<td>Ex e 122 x 120 x 90 composite Type 4X Black</td>
<td>A122120P</td>
<td>Plated Steel</td>
<td>108 x 107 x 1.5</td>
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<tr>
<td>EXE22012090</td>
<td>Ex e 220 x 120 x 90 composite Type 4X Black</td>
<td>A220120P</td>
<td>Plated Steel</td>
<td>206 x 107 x 1.5</td>
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<tr>
<td>EXE16016090</td>
<td>Ex e 160 x 160 x 90 composite Type 4X Black</td>
<td>A160160P</td>
<td>Plated Steel</td>
<td>143 x 144 x 1.5</td>
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<tr>
<td>EXE56016090</td>
<td>Ex e 560 x 160 x 90 composite Type 4X Black</td>
<td>A560160P</td>
<td>Plated Steel</td>
<td>743 x 144 x 1.5</td>
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<tr>
<td>EXE36016090</td>
<td>Ex e 360 x 160 x 90 composite Type 4X Black</td>
<td>A360160P</td>
<td>Plated Steel</td>
<td>444 x 144 x 1.5</td>
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<tr>
<td>EXE400405120</td>
<td>Ex e 400 x 405 x 120 composite Type 4X Black</td>
<td>A400405P</td>
<td>Plated Steel</td>
<td>385 x 390 x 1.5</td>
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<tr>
<td>EXE400405165</td>
<td>Ex e 400 x 405 x 165 composite Type 4X Black</td>
<td>A400405P</td>
<td>Plated Steel</td>
<td>385 x 390 x 1.5</td>
</tr>
</tbody>
</table>

Zonex enclosures are not intended for use in explosion-proof or flame-proof (Ex d) applications
*Purchase panels separately
HOFFMAN Zonex
STAINLESS STEEL SCREW-COVER ENCLOSURES

FEATURES
• Superior corrosion resistance with all Type 316 construction including self-retained cover screws
• Easy installation with welded heavy gauge mounting feet and interior weld nut for panel and or DIN rail mounting
• Secure sealing with standard one-piece polyurethane or high-temperature silicon gasket
• Screw cover features self-captivated screws

SPECIFICATIONS
• Type 316 stainless steel
• 6 mm internal and external bonding provision
• Wide temperature range
  - Standard polyurethane gasket (-40 C to +70 C, -40 F to 158 F)
  - Optional silicon gasket (-55 C to +180 C, -67 F to 356 F)

CERTIFICATIONS
• Zone 1 or 2 classified areas
• IECEx, ATEX, and AEx approvals
  - Ex e IIC Gb
  - Ex tb IIIC Db IP 66
• cUL Type 4, 4X, & 12
• IEC IP66 Rated

SCREW-COVER ATEX (Standard Sizes)

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<thead>
<tr>
<th>Catalog Number</th>
<th>Description (in.)</th>
<th>Optional Panel*</th>
<th>Panel Size (in.)</th>
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</thead>
<tbody>
<tr>
<td>EXE443SS61</td>
<td>ATEX 4 x 4 x 3, SS316, Type 4X</td>
<td>A4P4G</td>
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<td>EXE664SS61</td>
<td>ATEX 6 x 6 x 4, SS316, Type 4X</td>
<td>A6P6G</td>
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<td>EXE774SS61</td>
<td>ATEX 7 x 7 x 4, SS316, Type 4X</td>
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<td>EXE995SS61</td>
<td>ATEX 8.50 x 5.75 x 5, SS316, Type 4X</td>
<td>A9P9G</td>
<td>7.38 x 4.63</td>
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<tr>
<td>EXE10105SS61</td>
<td>ATEX 10 x 10 x 5, SS316, Type 4X</td>
<td>A10P10G</td>
<td>8.88 x 8.88</td>
</tr>
</tbody>
</table>

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A) Easy-to-remove Type 316 stainless steel cover with capivated screws for corrosion resistance
B) 6 mm internal/external brass bonding provision
C) Internal weld nuts for panel or DIN rail installation
D) Welded-on, full-width top and bottom wall-mount brackets for easy installation
HOFFMAN Zonex
STAINLESS STEEL INCH-HINGE ENCLOSURES

FEATURES
• Easy installation with welded heavy
gauge mounting feet and easy-to-remove
gland plates
• Superior corrosion resistance with Type
316 stainless steel construction
• Easy accessibility with ¼-turn slotted
latch and 210 degree wide opening door
that is easily removed by pulling clip style
hinge pins
• Secure sealing with standard
polyurethane or high-temperature silicon
gasket to protect against water and dust
ingress
• Gland plates made of 126A (3 mm) Type
316 stainless steel

SPECIFICATIONS
• Type 316 stainless steel
• 10 mm internal and external bonding
provision
• Up to 4 gland plates
• Wide temperature range:
  - Polyurethane Gasket
    (-40 C to +70 C, -40 F to 158 F)
  - Silicon Gasket
    (-55 C to +180 C, -67 F to 356 F)
• Certified for Zone 1 or 2 areas
• ATEX and IECEx approvals
  - Ex e IIC Gb
  - Ex tb IIC Db IP 66
• cUL Type 4, 4X, & 12
• IEC IP66 Rated

A) Heavy-duty 3-mm (12 gauge) welded-
on brackets on top and bottom for easy
site installation
B) Internal studs for panel or DIN rail
mounting
C) 210-degree opening door that is easily
removed by pulling clip style hinge pins
D) Fabricated and formed entries for
gland plate screws provide quick and
easy installation
E) Type 316 stainless steel slotted ¼ -turn
insert for easy access and closure

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<tr>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>EX12126SS61</td>
<td>ATEX 12 x 12 x 6, SS316, Type 4X</td>
<td>CP1212G</td>
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<tr>
<td>EX12128SS61</td>
<td>ATEX 12 x 12 x 8, SS316, Type 4X</td>
<td>CP1212G</td>
</tr>
<tr>
<td>EX16126SS61</td>
<td>ATEX 16 x 12 x 6, SS316, Type 4X</td>
<td>CP1612G</td>
</tr>
<tr>
<td>EX16128SS61</td>
<td>ATEX 16 x 12 x 8, SS316, Type 4X</td>
<td>CP1612G</td>
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<tr>
<td>EX16166SS61</td>
<td>ATEX 16 x 16 x 6, SS316, Type 4X</td>
<td>CP1616G</td>
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<td>EX16168SS61</td>
<td>ATEX 16 x 16 x 8, SS316, Type 4X</td>
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<td>ATEX 20 x 16 x 6, SS316, Type 4X</td>
<td>CP2016G</td>
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<td>EX20168SS61</td>
<td>ATEX 20 x 16 x 8, SS316, Type 4X</td>
<td>CP2016G</td>
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<td>EX20208SS61</td>
<td>ATEX 20 x 20 x 8, SS316, Type 4X</td>
<td>CP2020G</td>
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<td>EX24208SS61</td>
<td>ATEX 24 x 20 x 8, SS316, Type 4X</td>
<td>CP2420G</td>
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<td>EX24248SS61</td>
<td>ATEX 24 x 24 x 8, SS316, Type 4X</td>
<td>CP2424G</td>
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<td>EX242412SS61</td>
<td>ATEX 24 x 24 x 12, SS316, Type 4X</td>
<td>CP2424G</td>
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<tr>
<td>EX30208SS61</td>
<td>ATEX 30 x 20 x 8, SS316, Type 4X</td>
<td>CP3020G</td>
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<td>EX30248SS61</td>
<td>ATEX 30 x 24 x 8, SS316, Type 4X</td>
<td>CP3024G</td>
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<tr>
<td>EX303012SS61</td>
<td>ATEX 30 x 30 x 12, SS316, Type 4X</td>
<td>CP3030G</td>
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<tr>
<td>EX36248SS61</td>
<td>ATEX 36 x 24 x 8, SS316, Type 4X</td>
<td>CP3624G</td>
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STANDARD GLAND PLATES

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description (in.)</th>
<th>Cutout Size (in.)</th>
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<tbody>
<tr>
<td>GPS126SS6</td>
<td>12 x 6 side</td>
<td>Yes</td>
<td>7.50 x 5.75</td>
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<tr>
<td>GPS128SS6</td>
<td>12 x 8 side</td>
<td>Yes</td>
<td>7.50 x 5.75</td>
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<tr>
<td>GP126SS6</td>
<td>12 x 6 surface</td>
<td>No</td>
<td>9.50 x 5.75</td>
</tr>
<tr>
<td>GP128SS6</td>
<td>12 x 8 surface</td>
<td>No</td>
<td>9.50 x 5.75</td>
</tr>
<tr>
<td>GP166SS6</td>
<td>16 x 6 side</td>
<td>No</td>
<td>13.50 x 5.75</td>
</tr>
<tr>
<td>GP168SS6</td>
<td>16 x 8 surface</td>
<td>No</td>
<td>13.50 x 5.75</td>
</tr>
<tr>
<td>GP206SS6</td>
<td>20 x 6 surface</td>
<td>No</td>
<td>17.50 x 5.75</td>
</tr>
<tr>
<td>GP208SS6</td>
<td>20 x 8 surface</td>
<td>No</td>
<td>17.50 x 5.75</td>
</tr>
<tr>
<td>GP248SS6</td>
<td>24 x 8 surface</td>
<td>No</td>
<td>21.50 x 5.75</td>
</tr>
<tr>
<td>GP2412SS6</td>
<td>24 x 12 surface</td>
<td>No</td>
<td>21.50 x 7.00</td>
</tr>
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<td>GP2412SS6</td>
<td>24 x 12 side</td>
<td>No</td>
<td>21.50 x 7.00</td>
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<tr>
<td>GP2412SS6</td>
<td>24 x 12 standard</td>
<td>No</td>
<td>21.50 x 7.00</td>
</tr>
</tbody>
</table>

*Purchase panels separately

Zonex enclosures are not intended for use in explosion-proof or flame-proof (Ex d) applications
### FEATURES
- Superior corrosion resistance with all Type 316 stainless steel construction
- Easy installation with welded horizontal mounting brackets and sealed well nuts for gland plates
- Silicone gasket for secure sealing against water and dust ingress in high-temperature applications
- Easy accessibility with ¼-turn latch featuring 3 mm double-bit insert for security

### SPECIFICATIONS
- Type 316 stainless steel construction and external fasteners
- Internal/external brass earth/ground provision
- Up to 4 removable gland plates standard
- Silicone high-temperature gasket on doors and gland plates
  - Temperature range -55 C to +180 C (-67 F to 356 F)

### CERTIFICATIONS
- Certified for Zone 1 or 2 areas
- ATEX, IECEx, and AEx approvals
  - Ex e IIC Gb
  - Ex tb IIIC Db IP 66
- cUL Type 4, 4X, & 12
- IEC IP66 Rated

### METRIC-HINGE COVER

<table>
<thead>
<tr>
<th>Catalog Number (1 Gland Plate)</th>
<th>Catalog Number (3 Gland Plates)</th>
<th>Description (mm)</th>
<th>White Panel*</th>
<th>Conductive Panel*</th>
<th>Panel Size (mm)</th>
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</thead>
<tbody>
<tr>
<td>ATEX262616SS61</td>
<td>ATEX262616SS63</td>
<td>260 x 260 x 160, SS316, Type 4X</td>
<td>ATEX26P26</td>
<td>ATEX26P26G</td>
<td>214 x 214</td>
</tr>
<tr>
<td>ATEX262620SS61</td>
<td>ATEX262620SS63</td>
<td>260 x 260 x 205, SS316, Type 4X</td>
<td>ATEX26P26</td>
<td>ATEX26P26G</td>
<td>214 x 214</td>
</tr>
<tr>
<td>ATEX303016SS61</td>
<td>ATEX303016SS63</td>
<td>306 x 306 x 160, SS316, Type 4X</td>
<td>ATEX30P30</td>
<td>ATEX30P30G</td>
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<tr>
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<td>ATEX303020SS63</td>
<td>306 x 306 x 205, SS316, Type 4X</td>
<td>ATEX30P30</td>
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</tr>
<tr>
<td>ATEX382616SS61</td>
<td>ATEX382616SS63</td>
<td>380 x 260 x 160, SS316, Type 4X</td>
<td>ATEX38P26</td>
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<td>ATEX765020SS61</td>
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</tbody>
</table>

*Purchase panels separately

HOFFMAN Zonex
STAINLESS STEEL METRIC-HINGE ENCLOSURES

**FEATURES**
- Superior corrosion resistance with all Type 316 stainless steel construction
- Easy installation with welded horizontal mounting brackets and sealed well nuts for gland plates
- Silicone gasket for secure sealing against water and dust ingress in high-temperature applications
- Easy accessibility with ¼-turn latch featuring 3 mm double-bit insert for security

**SPECIFICATIONS**
- Type 316 stainless steel construction and external fasteners
- Internal/external brass earth/ground provision
- Up to 4 removable gland plates standard
- Silicone high-temperature gasket on doors and gland plates
  - Temperature range -55 C to +180 C (-67 F to 356 F)

**CERTIFICATIONS**
- Certified for Zone 1 or 2 areas
- ATEX, IECEx, and AEx approvals
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<td>ATEX624520SS63</td>
<td>620 x 450 x 205, SS316, Type 4X</td>
<td>ATEX62P45</td>
<td>ATEX62P45G</td>
<td>574 x 404</td>
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<tr>
<td>ATEX745520SS61</td>
<td>ATEX745520SS63</td>
<td>740 x 550 x 205, SS316, Type 4X</td>
<td>ATEX74P55</td>
<td>ATEX74P55G</td>
<td>694 x 504</td>
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<tr>
<td>ATEX765020SS61</td>
<td>ATEX765020SS63</td>
<td>762 x 508 x 205, SS316, Type 4X</td>
<td>ATEX76P50</td>
<td>ATEX76P50G</td>
<td>716 x 462</td>
</tr>
</tbody>
</table>

Zonex enclosures are not intended for use in explosion-proof or flame-proof (Ex d) applications
HAZARDOUS LOCATION HEATER

Designed for use where electronic components require protection from condensation and corrosion, sudden temperature drops, and low temperatures.

FEATURES AND BENEFITS
- 100 Watts of heat with a large convection surface
- Compact design easily mounts with DIN rail
- Maintenance-free extruded aluminum heat sink
- Surface temperature T4, 275 F (135 C)
- Operating voltage of 110 – 120 VAC

CERTIFICATIONS
- Zone 1 or 2 classified areas
- ATEX and IECEx approved
  - Ex d IIC T5 or T4 Gb
  - Ex tb IIIC T100 C or T135 C Db IP6X
  - -40 C < Tamb < +40 C
- IEC 60529, IP65/1 (grounded)

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLHEAT100</td>
<td>Heater ATEX / IECEx 100 Watt 120 VAC</td>
</tr>
</tbody>
</table>

HAZARDOUS LOCATION THERMOSTAT

Ideal for temperature control of heaters or low-temperature alarms in enclosures used in hazardous areas.

FEATURES AND BENEFITS
- Long service life of greater than 100,000 cycles
- Robust thermostatic bimetallic sensor element
- Direct connect and switch without additional relays
- Compact design with high switching capacity
- Maximum operating voltage 250 VAC and 100 VDC
- One-pole contact opens with rising temperature
- Mounting bracket and DIN clip for mounting

CERTIFICATIONS
- Zone 1 or 2 classified areas
- ATEX and IECEx approved
  - Ex d IIC T6 Gb
  - Ex tb IIIC T85 C Db
  - -40 C < Tamb < +60 C
- IEC 60529, IP65/1 (grounded)

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>HLTERMNC</td>
<td>Thermostat ATEX / IECEx 59 Degree NC</td>
</tr>
</tbody>
</table>
HOFFMAN VORTEX A/C HAZARDOUS LOCATION ENCLOSURE COOLERS

With almost no moving parts, these enclosure coolers are a highly reliable and virtually maintenance-free cooling solution. Coolers use compressed air to keep electrical and electronic enclosures cool, clean, and protected.

FEATURES AND BENEFITS

- Reduced energy use through integral mechanical thermostat enhances performance efficiency
- Operates in environments up to 175 °F (80 °C)
- Flexible installation with top, side or front mount options and easily mounts in restricted space
- Multiple cooling capacities available from 900 BTU/hr (264 watts) to 5,000 BTU/hr (1,465 Watts)
- Quieter operation with a noise reduction of 78 percent when compared to traditional tube Vortex coolers
- Supplied with five-micron, automatic drain compressed air filter, cold ducting kit, cold air muffler, and check valve

CERTIFICATIONS

- UL Classified
  - Class I, Division 2, Groups A through D
  - Class II, Division 2, Groups F and G
  - Class III locations
- Maintains enclosure Type 4, 4X rating when properly installed and when used with an approved purge/pressurization system

Catalog Number | Description
--- | ---
VHL09160 | HazLoc Vortex AC 900 BTU
VHL15160 | HazLoc Vortex AC 1500 BTU
VHL25160 | HazLoc Vortex AC 2500 BTU
VHL50160 | HazLoc Vortex AC 5000 BTU
HAZARDOUS LOCATION BREATHER DRAINS

Prevent moisture build-up within enclosures in hazardous environments.

FEATURES AND BENEFITS

- Reduce corrosion that can limit the life of internal electrical and electronic components
- Prevent condensation when installations are subject to fluctuations in temperature in hazardous locations
- Available for Increased Safety (Ex e) and Flameproof (Ex d) applications

HAZARDOUS LOCATION HOLE SEALS

Seal extra pushbutton holes, conduit openings and knockout openings against dust, dirt, oil, and water.

FEATURES AND BENEFITS

- Superior corrosion resistance with Type 316 stainless steel construction
- Secure sealing with silicon gasket to protect against water and dust ingress in high temperature applications
- Wide applicability with hole sizes up to 4 in. (100 mm) in diameter and enclosure wall thickness up to 0.31 in. (8 mm)

CERTIFICATIONS

- Zone 1 or 2 classified areas
- IECEx and ATEX approvals
- Ex e IIC Gb
- Ex tb IIC Db IP 66
- UL 508A Component Recognized; Type 3R, 4, 4X, 12, 13
- CSA Type 3R, 4, 4X, 12, 13
- NEMA/EEMAC Type 3R, 4, 4X, 12, 13
- IEC 60529, IP66

Catalog Number Description

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>EXEBDM20SS6</td>
<td>Exe M20 316SS Breather Drain</td>
</tr>
<tr>
<td>EXEBDM25SS6</td>
<td>Exe M25 316SS Breather Drain</td>
</tr>
<tr>
<td>EXDBDM20SS6</td>
<td>Exd M20 316SS Breather Drain</td>
</tr>
<tr>
<td>EXDBDM25SS6</td>
<td>Exd M25 316SS Breather Drain</td>
</tr>
</tbody>
</table>

Certifications

- Zone 1 or 2 classified areas
- ATEX and IECEx approved
- Ex e IIC Gb
- Ex d IIC
- Ex tb IIC Db IP66
- cCSAus Certified Class 1 Zone 1, Ex e II, IP66, Type 4X
- NEMA/EEMAC Type 4, 4X
- IEC 60529, IP66
- Maintains enclosure Type 4, 4X rating when properly installed
HAZARDOUS LOCATION LED LIGHTS

Provide enclosure illumination in hazardous environments.

FEATURES AND BENEFITS

• Maximum lighting for control panels with 454 to 1,756 lumens
• Minimum power consumption and superior lighting with 24 VDC input
• LED technology provides high longevity with up to 100,000 operating hours
• Easy installation with mechanical assembly kit while maintaining UL listing
• Available in 12, 24, 36, and 48 inches in length
• Operating temperature of -40 F (-40 C) to 185 F (80 C)
• CAN LED light is designed with a robust construction suitable for outdoor applications

CERTIFICATIONS

• Class I Division 2, Groups A, B, C and D, T3
• Conforms To CSA.22.2 No. 137, 213, 250 Standards
• Conforms To UL 844 & 1598 Standards
• Maintains enclosure Type 4, 4X rating when properly installed

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEDHL24V12</td>
<td>12 in. 24V C1D2 LED Light</td>
</tr>
<tr>
<td>LEDHL24V24</td>
<td>24 in. 24V C1D2 LED Light</td>
</tr>
<tr>
<td>LEDHL24V36</td>
<td>36 in. 24V C1D2 LED Light</td>
</tr>
<tr>
<td>LEDHL24V48</td>
<td>48 in. 24V C1D2 LED Light</td>
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<tr>
<td>LEDHL24VCAN</td>
<td>CAN 24V C1D2 LED Light</td>
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<tr>
<td>LEDHLSWITCH</td>
<td>Door Switch C1D2</td>
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<tr>
<td>AHKC1D2LED</td>
<td>Hardware kit</td>
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</table>

Catalog Number Description

EXWK53SS6 Ex SS Window Kit 5 x 3
EXWK95SS6 Ex SS Window Kit 9 x 5.5
EXWK711SS6 Ex SS Window Kit 7 x 11
EXWK138SS6 Ex SS Window Kit 13 x 8
EXWK715SS6 Ex SS Window Kit 7 x 15
EXWK1711SS6 Ex SS Window Kit 17 x 11
EXWK720SS6 Ex SS Window Kit 7 x 20
EXWK2315SS6 Ex SS Window Kit 23 x 15
EXWK724SS6 Ex SS Window Kit 7 x 24
EXWK729SS6 Ex SS Window Kit 7 x 29
EXWK2919SS6 Ex SS Window Kit 29 x 19

HAZARDOUS LOCATION WINDOW KITS

Designed for increased safety enclosures in hazardous areas as a viewing window where visibility of internal components is desired.

FEATURES AND BENEFITS

• Robust window frames are made from heavy-gauge Type 316 stainless steel with a brushed finish
• Secure sealing with silicon gasket to protect against water and dust ingress in high temperature applications
• Maintain visual on components through .25-in. (6 mm) tempered safety glass
• Easy installation in enclosure cutouts with window frame hardware

CERTIFICATIONS

• Zone 1 or 2 classified areas
• IECEx and ATEX Approvals
  - Ex e IIC Gb
  - Ex tb IIC Db Ip 66
• UL 508A Component Recognized; Type 3R, 4, 4X, 12
• CSA Type 3R, 4, 4X, 12
• NEMA/EEMAC 3R, 4, 4X, 12
• IEC 60529, IP66

Catalog Number Description (in.)

EXWK53SS6 Ex SS Window Kit 5 x 3
EXWK95SS6 Ex SS Window Kit 9 x 5.5
EXWK711SS6 Ex SS Window Kit 7 x 11
EXWK138SS6 Ex SS Window Kit 13 x 8
EXWK715SS6 Ex SS Window Kit 7 x 15
EXWK1711SS6 Ex SS Window Kit 17 x 11
EXWK720SS6 Ex SS Window Kit 7 x 20
EXWK2315SS6 Ex SS Window Kit 23 x 15
EXWK724SS6 Ex SS Window Kit 7 x 24
EXWK729SS6 Ex SS Window Kit 7 x 29
EXWK2919SS6 Ex SS Window Kit 29 x 19
Purge & Pressurization

FEATURES AND BENEFITS

• Provides purging and pressurization of sealed enclosures for use in hazardous locations
• Provides a low total cost of ownership for enclosures placed in hazardous locations
• Meets National and International certifications and specifications
• Purge units are dual rated Type Y and Z to cover many applications
• Type X has an electrical shut-off to turn off power if pressurization is lost
CERTIFICATIONS - LISTED, RATED AND CLASSIFIED

- ATEX
- IEC / EN 60079-2
- cUL Classified
- NEC Type Y & Z or NEC Type X
- NFPA 496

CF – CONTINUOUS FLOW

The enclosure is maintained with a positive pressure by limiting the exiting airflow through a fixed opening. They are economical and commonly used on smaller enclosures.

LC – LEAK COMPENSATION

The enclosure interior pressure is maintained with pressure or leak compensation components. Once pressurized, these devices compensate for leakages that may occur through the cabinet. These devices use less compressed air, offer lower operating cost, and are ideal for larger enclosures.

TYPE Z

- Class 1 Division 2 / Zone 2
  - Allows use of general purpose equipment
  - Provides local alarm / indicator and remote alarm signal if pressurization is lost

TYPE Y

- Class 1 Division 1 / Zone 1
  - Allows use of Class 1 Division 2 or Zone 2 equipment
  - Provides local alarm / indicator and remote alarm signal if pressurization is lost

TYPE X

- Class 1, Division 1 / Zone 1 or Group 1
  - Allows use of general purpose equipment
  - Provides local alarm / indicator, remote alarm signal and shuts off electrical power to the enclosures if pressurization is lost

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLCF1YZ</td>
<td>Purge and Pressurization, Leak Comp, Flush Mount, Type Y and Z, IS output</td>
</tr>
<tr>
<td>PLCB1YZ</td>
<td>Purge and Pressurization, Leak Comp, Bracket Mount, Type Y and Z, IS output</td>
</tr>
<tr>
<td>PCFF1YZ</td>
<td>Purge and Pressurization, Continuous Flow, Flush Mount, Type Y and Z, IS output</td>
</tr>
<tr>
<td>PCFB1YZ</td>
<td>Purge and Pressurization, Continuous Flow, Bracket Mount, Type Y and Z, IS output</td>
</tr>
<tr>
<td>PLCB1X</td>
<td>Purge and Pressurization, Leak Comp, Bracket Mount, Type X, PO output</td>
</tr>
<tr>
<td>PSKIT</td>
<td>Purge and Pressurization, Common Parts All models, Service Kit</td>
</tr>
</tbody>
</table>

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