**SMALL-VOLUME TYPE Y AND Z PURGING/PRESSURIZATION SYSTEM**

**PROTECTED ENCLOSURES**
Enclosures should be constructed from materials such as metal, fiberglass or polycarbonate material to meet or exceed NEMA Type 4, Type 4X or Type 12 performance requirements.

**CLASS RATINGs**
Classes define the explosive or ignitable substances that are present in the atmosphere.
- Class I Flammable gases or liquid vapors
- Class II Ignitable metal, carbon or organic dusts
- Class III Ignitable fibrous materials

**GROUP RATINGs**
Groups define substances by rating their explosive or ignitable nature in relation to other known substances.

**DIVISION RATINGs**
Divisions define the degree of hazard by determining an explosive or ignitable substance’s expected concentration in the atmosphere.
- Division 1 Contains substances under normal conditions
- Division 2 Contains substances under abnormal conditions

**TYPICAL CLASS I SUBSTANCES**
- Group A Acetylene
- Group B Hydrogen or >30% hydrogen by volume
- Group C Ethyl, ether and ethylene
- Group D Propane

**TYPICAL CLASS II SUBSTANCES**
- Group E Aluminum, magnesium and alloys
- Group F Carbon, coke and coal
- Group G Flour, grain, wood, plastic and chemicals

**NOTES**
- Division 1 areas must be surrounded by Division 2 areas.
- Class II, Group E areas must be rated as Division 1 areas.

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

**BULLETIN: HL**
## Standard Product

<table>
<thead>
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<th>Catalog Number</th>
<th>Model</th>
<th>Height in./mm</th>
<th>Width in./mm</th>
<th>Depth in./mm</th>
<th>Volume (ft³)</th>
<th>Volume (m³)</th>
<th>Weight (lb.)</th>
<th>Weight (kg)</th>
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**Model 1001 Configuration System and Flange Dimensions**

![Model 1001 Configuration System and Flange Dimensions Diagram](image-url)