LARGE-VOLUME TYPE Y AND Z PURGING/PRESSURIZATION SYSTEM

INDUSTRY STANDARDS

(Volume up to 90 cubic feet)

3003 LPS

NEC Type Y Class I, Division 1, Groups A, B, C and D / Zone 1 Groups IIA, IIB and IIC to Division 2 / Zone 2

NEC Type Z Class I, Division 2, Groups A, B, C and D / Zone 2 Groups IIA, IIB and IIC to Nonhazardous

Classified by Underwriters Laboratories, NFPA 496-1993

APPLICATION

Large-Volume Purging/Pressurization System supplies one or more enclosures, up to 90 cubic feet total volume, with a protective gas supply, thus allowing the use of general-purpose enclosures in certain Class 1, Division 1 and 2 hazardous locations.

SPECIFICATIONS

- Vertical mount (VM) or horizontal mount (HM)
- 90 cubic feet maximum enclosure volume
- System face plate and mounting plate: Type 316 stainless steel with tumble finish
- Regulator body: zinc with enamel finish
- Manifold body: anodized aluminum with Type 316 stainless steel valves
- Enclosure pressure gauge: aluminum with enamel finish
- Gas supply gauge: poly case and nickel-plated tube
- Enclosure protection vent—90 degree
- Rapid exchange control valve
- Enclosure supply and enclosure reference bulkhead fittings: Type 316 stainless steel
- Fastener hardware

PROTECTED ENCLOSURES

Enclosures should be constructed from materials such as metal, fiberglass or polycarbonate material. Enclosure seal should meet or exceed NEMA Type 4 or Type 12 performance requirements.

BULLETIN: HL
Standard Product

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<th>Catalog Number</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>
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Model 3003 VM Configuration System & Flange Dimensions

Model 3003 HM Configuration System & Flange Dimensions