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TYPE Y&Z UNIT

TECHNICAL BULLETINS



Best Purging Systems
Enclosure Purging & Pressurization Solutions

The Founders of Purging & Pressurization Technology™

Product Description

Model YZ101A is a Type Y or Z pressurization unit designed to protect electrical equipment in Class I and Class II Hazardous Areas. When connected to a supply of protective gas, the Model YZ101A will supply, regulate and monitor the protective gas supply to a protected electrical enclosure. Type Z applications reduce the hazardous area rating inside the enclosure from Division 2 / Zone 2 to Unclassified. This allows general purpose equipment to operate in Division 2 / Zone 2 areas. Type Y applications reduce the hazardous area rating inside the enclosure from Division 1 / Zone 1 to Division 2 / Zone 2. This allows Division 2 / Zone 2 equipment to operate in Division 1 / Zone 1 Hazardous Areas.

Unit Operation

Prior to Start-Up: Ensure Protected Enclosure Power is OFF, Enclosure Pressure Control Regulator is closed, Protective Gas Supply is ON and alarm system is activated (if utilized). If utilized, test Purge Vent for proper operation. **Class II Area Start-Up:** Remove all dust from protected enclosure. Close and seal Protected Enclosure. Open Enclosure Pressure Control Regulator until a "Safe" reading is shown on the Enclosure Pressure Gauge. **Class I Area Start-Up:** Close and seal Protected Enclosure. Open Enclosure Pressure Control Regulator until a "Safe" reading is shown on the Enclosure Pressure Gauge. Allow unit to purge protected enclosure for the required time marked on Unit Start Up Instructions or for 5 minutes, minimum. Confirm protected enclosure "Safe" pressure is stable. Energize protected enclosure equipment. Loss of "Safe" pressure requires immediate attention. Protected enclosure power should be de-energized if "Safe" pressure cannot be restored within a reasonable amount of time.

Unit Specifications


Class I & II Maximum Enclosure Volumes:	2 & 10 cubic feet
Universal Unit Weight:	3.5 lbs.
Vertical & Horizontal Unit Weights:	8.0 & 8.0 lbs.
Operating Temp. Range:	-20° F - 120° F
Protective Gas Supply:	* Air or Inert Gas
Supply Pressure w/ RR-4 Regulator:	5 psi maximum
Supply Pressure w/ PV-2 Vent:	80 - 125 psi maximum
Unit Supply Connection:	1/4" tube fitting
Enclosure Supply:	1/4" tube fitting
Enclosure Reference:	1/4" tube fitting
Safe Enclosure Pressure:	0.25" w.c.
Safe Pressure Flow Rate:	** 0.1 - 3.5 SCFH per cubic foot
Switch Set Point on Decrease:	0.15" w.c. ± 0.02"
Pressure Switch Conduit Port:	1/2" FPT
Pressure Switch Contact Ratings:	See EPSK Bulletin

* Air must contain no more than trace amounts of flammable vapors.
 ** Enclosure integrity determines safe pressure flow rate.

Recommended Accessories

Redundant safety devices are necessary to protect the enclosure from excessive pressure of the protective gas supply in accordance with the requirements of NFPA 496, EN 50016 and IEC 60079-02.

Best Purging Systems Corporation therefore strongly recommends a Model RR-4 Redundant Regulator installed upstream of this unit's enclosure pressure control regulator. As an alternative, a Model PV-2 Spark Arresting Purge Vent may be installed on the protected enclosure or the last enclosure of a pressurized enclosure array to relieve excessive pressure created by other sources.



Model YZ101A

Type Y & Z

Pressurization Unit

Class I Applications

Up To 2 Cubic Feet

Class II Applications

Up to 10 Cubic Feet

Technical Bulletin YZ101A TB-R0

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**Universal Mount Unit
less Pressure Switch for
any side or panel mounting**



**Vertical Mount Unit
with Pressure Switch for
left or right side mounting**



**Horizontal Mount Unit
with Pressure Switch for
top or bottom side mounting**



Rear Views



Horizontal Mount Unit with Pressure Switch

Enclosure Pressure Reference Connection
Enclosure Pressure Gauge
Atmospheric Reference



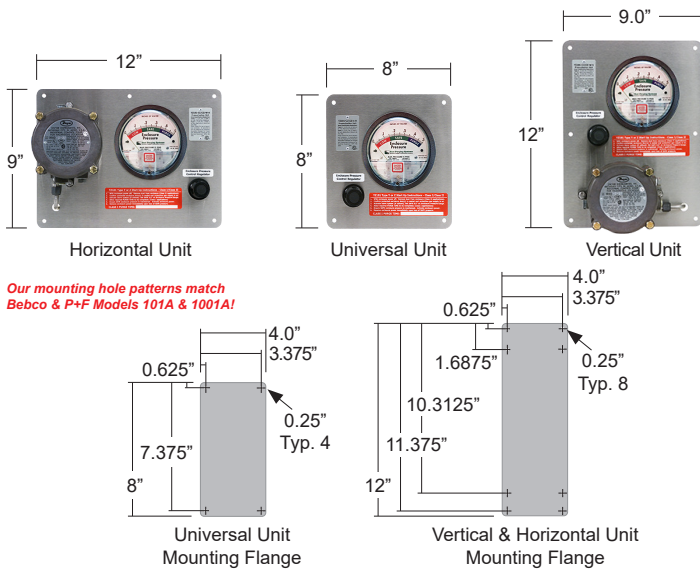
Universal Mount Unit less Pressure Switch

Unit Supply Connection
Enclosure Pressure Control Regulator
Enclosure Supply Connection



Vertical Mount Unit with Pressure Switch

Unit & Mounting Flange Dimensions



Our mounting hole patterns match Babco & P+F Models 101A & 1001A!

Model Number Matrix

Typical Model Number:

YZ 101A-CI/CII-L-U-*

Unit Type

- Y - Division 1 / Zone 1 to Division 2 / Zone 2
- Z - Division 2 / Zone 2 to Unclassified

Unit Series

101A - Purging & Pressurization Unit

Area Classification

CI/CII - Class I & Class II Areas

Pressure Switch Option

- L - Less Switch
- W - Class I, Group C & D / Class II, Group E, F & G Switch
- B - Class I, Group A, B, C & D Switch

Mounting Configuration

U - Universal V - Vertical H - Horizontal

Group B Switch Voltage (omit if not applicable)

24 - 24 VDC 120 - 120 VAC 240 - 240 VAC

Please contact a Sales Associate for specifications and factory integration of Model PMGK Panel Mount Gasket Kits for Universal Mounting Configurations

Material Specifications

Unit Mounting Plate & Flange: 304 Stainless Steel
 Tube Fitting Bodies & Ferrules: 316 Stainless Steel
 Tube Fitting Compression Nut Coating: Molybdenum Disulfide
 Enclosure Pressure Gauge Lens: Acrylic w/ Neoprene O-Ring
 Enclosure Pressure Gauge Body: Cast Aluminum w/ Epoxy Finish
 Fastener Kit Sealing Screws: 316 Stainless Steel w/ Neoprene O-Ring
 Fastener Kit Sealing Washers: 18-8 Stainless Steel w/ Neoprene Washer
 Fastener Kit Locking Nuts: 316 Stainless Steel w/ Nylon Insert

Atmospheric Reference: 316 Stainless Steel Body & 304 SS Element
 Indelible Unit Nameplates: 3M Lexan™ w/ 3M VSB™ Adhesive
 Pressure Control Regulator Head & Knob: Acetal Polymer Plastic
 Pressure Control Regulator Body: Zinc w BUNA N Elastomers
 Pressure Switch Body: Cast Aluminum w/ Epoxy Finish
 Pressure Switch Body Bolts: Zinc Plated Steel
 Pressure Switch Contacts: Mica Silver
 Enclosure Pressure Gauge & Switch Diaphragms: Fluorosilicone

Unit & Protected Enclosure Accessory Bulletin Hyperlinks



Model PV Spark Arresting Pressure Vents
Prevents excessive enclosure pressure upon unit regulator failure



Model RR Redundant Supply Pressure Regulators
Prevents excessive enclosure pressure upon unit regulator failure



Model BCK Unit & Bulkhead Connection Kits
Connects the unit and multiple protected enclosures of an array



Model RAB & RAH Remote Alarm Beacons & Horns
Signals loss of protected enclosure safe pressure



Model EPSK Enclosure Pressure Switch Kits
Complements universal mount units to activate audible or visual alarms



Model EPWN & ETWN Pressure & Temperature Warning Nameplates
Provides NFPA required markings for protected enclosure doors and covers



Model PMGK Panel Mount Gasket Kits
Converts universal mount units for panel mounting in protected enclosures

One (1) Model EPWN Enclosure Warning Nameplate & One (1) Unit Flange or Panel Mount Fastener Kit furnished with all Units. All specifications subject to change without notice. Warranty & Liability policies available upon request.

Product Description

Model YZ101B is a Type Y or Z pressurization unit designed to protect electrical equipment in Class II Hazardous Areas. When connected to a supply of protective gas, the Model YZ101B will supply, regulate and monitor the protective gas supply to a protected electrical enclosure. Type Z applications reduce the hazardous area rating inside the enclosure from Division 2 / Zone 2 to Unclassified. This allows general purpose equipment to operate in Division 2 / Zone 2 areas. Type Y applications reduce the hazardous area rating inside the enclosure from Division 1 / Zone 1 to Division 2 / Zone 2. This allows Division 2 / Zone 2 equipment to operate in Division 1 / Zone 1 Hazardous Areas.

Unit Operation

Prior to Start-Up: Ensure Protected Enclosure Power is OFF, Enclosure Pressure Control Regulator is closed, Protective Gas Supply is ON and alarm system is activated (if utilized). If utilized, test Purge Vent for proper operation. **Start-Up:** Remove all dust from protected enclosure. Close and seal Protected Enclosure. Open Enclosure Pressure Control Regulator until a "Safe" reading is shown on the Enclosure Pressure Gauge. Energize protected enclosure equipment. Loss of "Safe" pressure requires immediate attention. Protected enclosure power should be de-energized if "Safe" pressure cannot be restored within a reasonable amount of time.

Unit Specifications


Class II Maximum Enclosure Volume:	50 cubic feet
Universal Unit Weight:	5 lbs.
Vertical & Horizontal Unit Weights:	9.0 & 9.5 lbs.
Operating Temp. Range:	-20° F - 120° F
Protective Gas Supply:	* Air or Inert Gas
Supply Pressure w/ RR-6 Regulator:	5 psi maximum
Supply Pressure w/ PV-3 Vent:	80 - 125 psi maximum
Unit Supply Connection:	3/8" tube fitting
Enclosure Supply:	3/8" tube fitting
Enclosure Reference:	1/4" tube fitting
Safe Enclosure Pressure:	0.25" w.c.
Safe Pressure Flow Rate:	** 0.1 - 3.5 SCFH per cubic foot
Switch Set Point on Decrease:	0.15" w.c. ± 0.02"
Pressure Switch Conduit Port:	1/2" FPT
Pressure Switch Contact Ratings:	See EPSK Bulletin

- * Air must contain no more than trace amounts of flammable vapors.
- ** Enclosure integrity determines safe pressure flow rate.

Recommended Accessories

Redundant safety devices are necessary to protect the enclosure from excessive pressure of the protective gas supply in accordance with the requirements of NFPA 496, EN 50016 and IEC 60079-02.

Best Purging Systems Corporation therefore strongly recommends a Model RR-6 Redundant Regulator installed upstream of this unit's enclosure pressure control regulator. As an alternative, a Model PV-3 Spark Arresting Purge Vent may be installed on the protected enclosure or the last enclosure of a pressurized enclosure array to relieve excessive pressure created by other sources.



Model YZ101B

Type Y & Z

Pressurization Unit

Class II Applications
Up to 50 Cubic Feet

Technical Bulletin YZ101B TB-R0© 07.23.2018



**Universal Mount Unit
less Pressure Switch for
any side or panel mounting**



**Vertical Mount Unit
with Pressure Switch for
left or right side mounting**



**Horizontal Mount Unit
with Pressure Switch for
top or bottom side mounting**



Best Purging Systems

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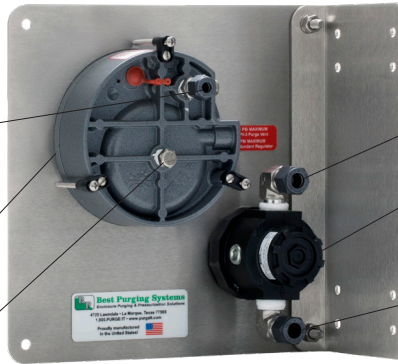
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Rear Views



Horizontal Mount Unit with Pressure Switch

Enclosure Pressure Reference Connection
Enclosure Pressure Gauge
Atmospheric Reference



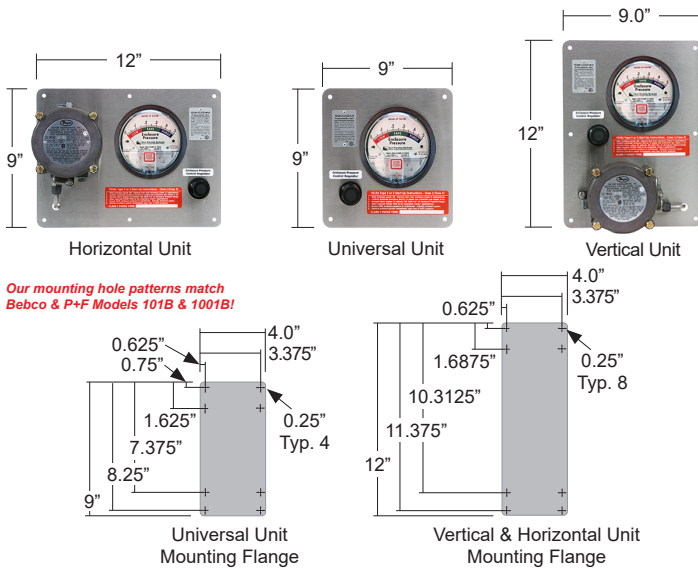
Universal Mount Unit less Pressure Switch

Unit Supply Connection
Enclosure Pressure Control Regulator
Enclosure Supply Connection



Vertical Mount Unit with Pressure Switch

Unit & Mounting Flange Dimensions



Our mounting hole patterns match Babco & P+F Models 101B & 1001B!

Model Number Matrix

Typical Model Number:

YZ 101B-CII-L-U-*

Unit Type

Y - Division 1 / Zone 1 to Division 2 / Zone 2
Z - Division 2 / Zone 2 to Unclassified

Unit Series

101B - Pressurization Unit

Area Classification

CII - Class II Areas

Pressure Switch Option

L - Less Switch
W - Class II, Group E, F & G Switch

Mounting Configuration

U - Universal V - Vertical H - Horizontal

Special Option (omit if not applicable)

Please contact a Sales Associate for specifications and factory integration of Model PMGK Panel Mount Gasket Kits for Universal Mounting Configurations

Material Specifications

Unit Mounting Plate & Flange: 304 Stainless Steel
Tube Fitting Bodies & Ferrules: 316 Stainless Steel
Tube Fitting Compression Nut Coating: Molybdenum Disulfide
Enclosure Pressure Gauge Lens: Acrylic w/ Neoprene O-Ring
Enclosure Pressure Gauge Body: Cast Aluminum w/ Epoxy Finish
Fastener Kit Sealing Screws: 316 Stainless Steel w/ Neoprene O-Ring
Fastener Kit Sealing Washers: 18-8 Stainless Steel w/ Neoprene Washer
Fastener Kit Locking Nuts: 316 Stainless Steel w/ Nylon Insert

Atmospheric Reference: 316 Stainless Steel Body & 304 SS Element
Indelible Unit Nameplates: 3M Lexan™ w/ 3M VSB™ Adhesive
Pressure Control Regulator Head & Knob: Acetal Polymer Plastic
Pressure Control Regulator Body: Zinc w Buna N Elastomers
Pressure Switch Body: Cast Aluminum w/ Epoxy Finish
Pressure Switch Body Bolts: Zinc Plated Steel
Pressure Switch Contacts: Mica Silver
Enclosure Pressure Gauge & Switch Diaphragms: Fluorosilicone

Unit & Protected Enclosure Accessory Bulletin Hyperlinks



Model PV Spark Arresting Pressure Vents
Prevents excessive enclosure pressure upon unit regulator failure



Model RR Redundant Supply Pressure Regulators
Prevents excessive enclosure pressure upon unit regulator failure



Model BCK Unit & Bulkhead Connection Kits
Connects the unit and multiple protected enclosures of an array



Model RAB & RAH Remote Alarm Beacons & Horns
Signals loss of protected enclosure safe pressure



Model EPSK Enclosure Pressure Switch Kits
Complements universal mount units to activate audible or visual alarms



Model EPWN & ETWN Pressure & Temperature Warning Nameplates
Provides NFPA required markings for protected enclosure doors and covers



Model PMGK Panel Mount Gasket Kits
Converts universal mount units for panel mounting in protected enclosures

One (1) Model EPWN Enclosure Warning Nameplate & One (1) Unit Flange or Panel Mount Fastener Kit furnished with all Units. All specifications subject to change without notice. Warranty & Liability policies available upon request.

Product Description

Model YZ101C is a Type Y or Z pressurization unit designed to protect electrical equipment in Class II Hazardous Areas. When connected to a supply of protective gas, the Model YZ101C will supply, regulate and monitor the protective gas supply to a protected electrical enclosure. Type Z applications reduce the hazardous area rating inside the enclosure from Division 2 / Zone 2 to Unclassified. This allows general purpose equipment to operate in Division 2 / Zone 2 areas. Type Y applications reduce the hazardous area rating inside the enclosure from Division 1 / Zone 1 to Division 2 / Zone 2. This allows Division 2 / Zone 2 equipment to operate in Division 1 / Zone 1 Hazardous Areas.

Unit Operation

Prior to Start-Up: Ensure Protected Enclosure Power is OFF, Enclosure Pressure Control Regulator is closed, Protective Gas Supply is ON and alarm system is activated (if utilized). If utilized, test Purge Vent for proper operation. **Start-Up:** Remove all dust from protected enclosure. Close and seal Protected Enclosure. Open Enclosure Pressure Control Regulator until a "Safe" reading is shown on the Enclosure Pressure Gauge. Energize protected enclosure equipment. Loss of "Safe" pressure requires immediate attention. Protected enclosure power should be de-energized if "Safe" pressure cannot be restored within a reasonable amount of time.

Unit Specifications


Class II Maximum Enclosure Volume:	250 cubic feet
Universal Unit Weight:	5.5 lbs.
Vertical & Horizontal Unit Weights:	10.5 & 10.0 lbs.
Operating Temp. Range:	-20° F - 120° F
Protective Gas Supply:	* Air or Inert Gas
Supply Pressure w/ RR-8 Regulator:	5 psi maximum
Supply Pressure w/ PV-4 Vent:	80 - 125 psi maximum
Unit Supply Connection:	1/2" tube fitting
Enclosure Supply:	1/2" tube fitting
Enclosure Reference:	1/4" tube fitting
Safe Enclosure Pressure:	0.25" w.c.
Safe Pressure Flow Rate:	** 0.1 - 3.5 SCFH per cubic foot
Switch Set Point on Decrease:	0.15" w.c. ± 0.02"
Pressure Switch Conduit Port:	1/2" FPT
Pressure Switch Contact Ratings:	See EPSK Bulletin

- * Air must contain no more than trace amounts of flammable vapors.
- ** Enclosure integrity determines safe pressure flow rate.

Recommended Accessories

Redundant safety devices are necessary to protect the enclosure from excessive pressure of the protective gas supply in accordance with the requirements of NFPA 496, EN 50016 and IEC 60079-02.

Best Purging Systems Corporation therefore strongly recommends a Model RR-8 Redundant Regulator installed upstream of this unit's enclosure pressure control regulator. As an alternative, a Model PV-4 Spark Arresting Purge Vent may be installed on the protected enclosure or the last enclosure of a pressurized enclosure array to relieve excessive pressure created by other sources.



Model YZ101C

Type Y & Z

Pressurization Unit

Class II Applications
Up to 250 Cubic Feet

Technical Bulletin YZ101C TB-R0 © 07.23.2018



**Universal Mount Unit
less Pressure Switch for
any side or panel mounting**



**Vertical Mount Unit
with Pressure Switch for
left or right side mounting**



**Horizontal Mount Unit
with Pressure Switch for
top or bottom side mounting**



Best Purging Systems
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Rear Views



Horizontal Mount Unit with Pressure Switch

Enclosure Pressure Reference Connection
Enclosure Pressure Gauge
Atmospheric Reference



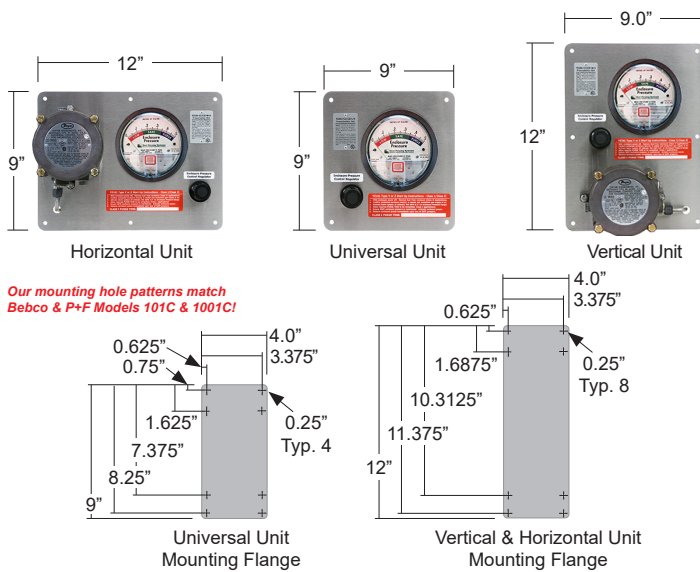
Universal Mount Unit less Pressure Switch

Unit Supply Connection
Enclosure Pressure Control Regulator
Enclosure Supply Connection



Vertical Mount Unit with Pressure Switch

Unit & Mounting Flange Dimensions



Model Number Matrix

Typical Model Number:

YZ 101C-CII-L-U-*

Unit Type

- Y - Division 1 / Zone 1 to Division 2 / Zone 2
- Z - Division 2 / Zone 2 to Unclassified

Unit Series

101C - Pressurization Unit

Area Classification

CII - Class II Areas

Pressure Switch Option

- L - Less Switch
- W - Class II, Group E, F & G Switch

Mounting Configuration

U - Universal V - Vertical H - Horizontal

Special Option (omit if not applicable)

Please contact a Sales Associate for specifications and factory integration of Model PMGK Panel Mount Gasket Kits for Universal Mounting Configurations

Material Specifications

Unit Mounting Plate & Flange: 304 Stainless Steel
 Tube Fitting Bodies & Ferrules: 316 Stainless Steel
 Tube Fitting Compression Nut Coating: Molybdenum Disulfide
 Enclosure Pressure Gauge Lens: Acrylic w/ Neoprene O-Ring
 Enclosure Pressure Gauge Body: Cast Aluminum w/ Epoxy Finish
 Fastener Kit Sealing Screws: 316 Stainless Steel w/ Neoprene O-Ring
 Fastener Kit Sealing Washers: 18-8 Stainless Steel w/ Neoprene Washer
 Fastener Kit Locking Nuts: 316 Stainless Steel w/ Nylon Insert

Atmospheric Reference: 316 Stainless Steel Body & 304 SS Element
 Indelible Unit Nameplates: 3M Lexan™ w/ 3M VSB™ Adhesive
 Pressure Control Regulator Head & Knob: Acetal Polymer Plastic
 Pressure Control Regulator Body: Zinc w Buna N Elastomers
 Pressure Switch Body: Cast Aluminum w/ Epoxy Finish
 Pressure Switch Body Bolts: Zinc Plated Steel
 Pressure Switch Contacts: Mica Silver
 Enclosure Pressure Gauge & Switch Diaphragms: Fluorosilicone

Unit & Protected Enclosure Accessory Bulletin Hyperlinks



Model PV Spark Arresting Pressure Vents

Prevents excessive enclosure pressure upon unit regulator failure



Model RR Redundant Supply Pressure Regulators

Prevents excessive enclosure pressure upon unit regulator failure



Model BCK Unit & Bulkhead Connection Kits

Connects the unit and multiple protected enclosures of an array



Model RAB & RAH Remote Alarm Beacons & Horns

Signals loss of protected enclosure safe pressure



Model EPSK Enclosure Pressure Switch Kits

Complements universal mount units to activate audible or visual alarms



Model EPWN & ETWN Pressure & Temperature Warning Nameplates

Provides NFPA required markings for protected enclosure doors and covers



Model PMGK Panel Mount Gasket Kits

Converts universal mount units for panel mounting in protected enclosures

One (1) Model EPWN Enclosure Warning Nameplate & One (1) Unit Flange or Panel Mount Fastener Kit furnished with all Units. All specifications subject to change without notice. Warranty & Liability policies available upon request.

Product Description

Model YZ102 is a Type Y or Z pressurization unit designed to protect electrical equipment in Class I Hazardous Areas. When connected to a supply of protective gas and utilized in conjunction with a Model PV-2 Spark Arresting Purge Vent, the Model YZ102 will supply, regulate and monitor the protective gas supply to a protected electrical enclosure and accomplish purging of the protected enclosure in an expedited manner. Type Z applications reduce the hazardous area rating inside the enclosure from Division 2 / Zone 2 to Unclassified. This allows general purpose equipment to operate in Division 2 / Zone 2 areas. Type Y applications reduce the hazardous area rating inside the enclosure from Division 1 / Zone 1 to Division 2 / Zone 2. This allows Division 2 / Zone 2 equipment to operate in Division 1 / Zone 1 Hazardous Areas.

Unit Operation

Prior to Start-Up: Ensure Protected Enclosure Power is OFF, Protective Gas Supply is ON, Filter Regulator is set to 60 PSI, and alarm system is activated (if utilized). Test Purge Vent for proper operation. **Start-Up:** Close and seal Protected Enclosure. Open Enclosure Pressure Control Valve until a "Safe" reading is shown on the Enclosure Pressure Gauge. Open Purge Control Valve and allow unit to purge protected enclosure for the required time marked on Unit Start Up Instructions or for 5 minutes, minimum and then close Purge Control Valve. Confirm protected enclosure "Safe" pressure is stable. Energize protected enclosure equipment. Loss of "Safe" pressure requires immediate attention. De-energized power if "Safe" pressure cannot be restored within a reasonable amount of time.

Product Specifications


Maximum Enclosure Volume:	15 cubic feet
Universal Unit Weight:	8.5 lbs.
Vertical & Horizontal Unit Weights:	13.5 & 13.5 lbs.
Operating Temp. Range:	-20° F - 120° F
Protective Gas Supply:	* Air or Inert Gas
Unit Supply Pressure:	80 - 125 psi maximum
Unit Supply Connection:	1/4" tube fitting
Enclosure Supply:	1/4" tube fitting
Enclosure Reference:	1/4" tube fitting
Safe Enclosure Pressure:	0.25" w.c.
Safe Pressure Flow Rate:	** 0.1 - 3.5 SCFH per cubic foot
Purging Enclosure Pressure:	** 5" - 8" w.c.
Purging Flow Rate:	4 SCFM / 240 SCFH @ 60 psi
4 Volume Purge Time:	1 minute per 1.0 cubic foot
5 Volume Purge Time:	1 minute per 0.8 cubic foot
Switch Set Point on Decrease:	0.15" w.c. ± 0.02"
Pressure Switch Conduit Port:	1/2" FPT
Pressure Switch Contact Ratings:	See EPSK Bulletin

- * Air must contain no more than trace amounts of flammable vapors.
- ** Enclosure integrity determines safe pressure flow rate and purging enclosure pressure.

Required Accessory

A Model PV-2 Spark Arresting Vent is required for proper operation of the purging cycle and to protect the enclosure from excessive pressure of the protective gas supply in accordance with the requirements of NFPA 496, EN 50016 and IEC 60079-02.

Best Purging Systems Corporation therefore requires the purchase of a Model PV-2 Spark Arresting Purge Vent with this unit for installation on the protected enclosure or the last enclosure of an enclosure array.



Model YZ102

Type Y & Z Purging & Pressurization Unit

**Class I Applications
Up To 15 Cubic Feet**

Technical Bulletin YZ102 TB-R0 **© 07.23.2018**



**Universal Mount Unit
less Pressure Switch for
any side or panel mounting**



**Vertical Mount Unit
with Pressure Switch for
left or right side mounting**



**Horizontal Mount Unit
with Pressure Switch for
top or bottom side mounting**



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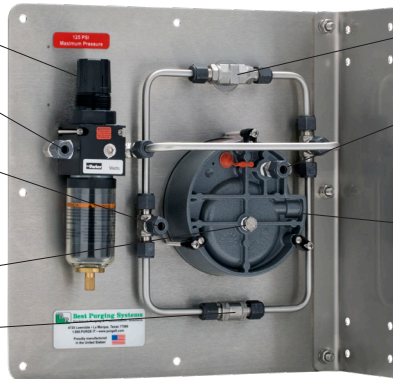
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Rear Views



Horizontal Mount Unit with Pressure Switch

Filter Regulator
Unit Supply Connection
Enclosure Supply Connection
Atmospheric Reference
Enclosure Pressure Control Valve



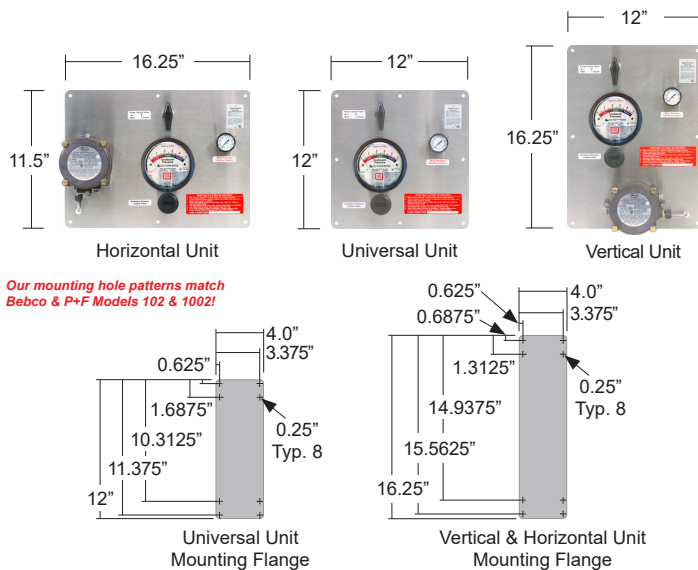
Universal Mount Unit less Pressure Switch

Purge Control Valve
Enclosure Pressure Reference Connection
Enclosure Pressure Gauge



Vertical Mount Unit with Pressure Switch

Unit & Mounting Flange Dimensions



Model Number Matrix

Typical Model Number:

YZ 102-CI-L-U-*

Unit Type	Y - Division 1 / Zone 1 to Division 2 / Zone 2	Z - Division 2 / Zone 2 to Unclassified
Unit Series	102 - Purging & Pressurization Unit	
Area Classification	CI - Class I	
Pressure Switch Option	L - Less Switch	W - Class I, Group C & D Switch B - Class I, Group A, B, C & D Switch
Mounting Configuration	U - Universal	V - Vertical H - Horizontal
Group B Switch Voltage (omit if not applicable)	24 - 24 VDC	120 - 120 VAC 240 - 240 VAC

Please contact a Sales Associate for specifications and factory integration of Model PMGK Panel Mount Gasket Kits for Universal Mounting Configurations

Material Specifications

Mounting Plate, Flange & Atmospheric Reference: 304 Stainless Steel
Valve & Fitting Bodies, Ferrules & Unit Fasteners: 316 Stainless Steel
Tube Fitting Compression Nut Coating: Molybdenum Disulfide
Enclosure Pressure Gauge Lens: Acrylic w/ Neoprene O-Ring
Enclosure Pressure Gauge Body: Cast Aluminum w/ Epoxy Finish
Fastener Kit Sealing Screws: 316 Stainless Steel w/ Neoprene O-Ring
Fastener Kit Sealing Washers: 18-8 Stainless Steel w/ Neoprene Washer
Fastener Kit Locking Nuts: 316 Stainless Steel w/ Nylon Insert

Atmospheric Reference: 316 Stainless Steel Body & 304 SS Element
Indelible Unit Nameplates: 3M Lexan™ w/ 3M VSB™ Adhesive
Supply Regulator Head & Bowl: Acetal Polymer Plastic
Supply Regulator Body: Zinc w Buna N Elastomers
Supply Pressure Gauge: Painted Steel Case, Pressure Lens, Brass Body
Pressure Switch Body: Cast Aluminum w/ Epoxy Finish
Pressure Switch Bolts & Contacts: Zinc Plated Steel & Mica Silver
Enclosure Pressure Gauge & Switch Diaphragms: Fluorosilicone

Unit & Protected Enclosure Accessory Hyperlinks



Model PV Spark Arresting Pressure Vents
Prevents excessive enclosure pressure upon unit regulator failure



Model BCK Unit & Bulkhead Connection Kits
Connects the unit and multiple protected enclosures of an array



Model RAB & RAH Remote Alarm Beacons & Horns
Signals loss of protected enclosure safe pressure



Model EPSK Enclosure Pressure Switch Kits
Complements universal mount units to activate audible or visual alarms



Model EPWN & ETWN Pressure & Temperature Warning Nameplates
Provides NFPA required markings for protected enclosure doors and covers



Model PMGK Panel Mount Gasket Kits
Converts universal mount units for panel mounting in protected enclosures

One (1) Model EPWN Enclosure Warning Nameplate & One (1) Unit Flange or Panel Mount Fastener Kit furnished with all Units. All specifications subject to change without notice. Warranty & Liability policies available upon request.

Product Description

Model YZ103 is a Type Y or Z pressurization unit designed to protect electrical equipment in Class I Hazardous Areas. When connected to a supply of protective gas and utilized in conjunction with a Model PV-3 Spark Arresting Purge Vent, the Model YZ103 will supply, regulate and monitor the protective gas supply to a protected electrical enclosure and accomplish purging of the protected enclosure in an expedited manner. Type Z applications reduce the hazardous area rating inside the enclosure from Division 2 / Zone 2 to Unclassified. This allows general purpose equipment to operate in Division 2 / Zone 2 areas. Type Y applications reduce the hazardous area rating inside the enclosure from Division 1 / Zone 1 to Division 2 / Zone 2. This allows Division 2 / Zone 2 equipment to operate in Division 1 / Zone 1 Hazardous Areas.

Unit Operation

Prior to Start-Up: Ensure Protected Enclosure Power is OFF, Protective Gas Supply is ON, Filter Regulator is set to 60 PSI, and alarm system is activated (if utilized). Test Purge Vent for proper operation. **Start-Up:** Close and seal Protected Enclosure. Open Enclosure Pressure Control Valve until a "Safe" reading is shown on the Enclosure Pressure Gauge. Open Purge Control Valve and allow unit to purge protected enclosure for the required time marked on Unit Start Up Instructions or for 5 minutes, minimum and then close Purge Control Valve. Confirm protected enclosure "Safe" pressure is stable. Energize protected enclosure equipment. Loss of "Safe" pressure requires immediate attention. De-energized power if "Safe" pressure cannot be restored within a reasonable amount of time.

Product Specifications

Maximum Enclosure Volume:	75 cubic feet
Universal Unit Weight:	9.5 lbs.
Vertical & Horizontal Unit Weights:	14.0 & 14.0 lbs.
Operating Temp. Range:	-20° F - 120° F
Protective Gas Supply:	* Air or Inert Gas
Unit Supply Pressure:	80 - 125 psi maximum
Unit Supply Connection:	3/8" tube fitting
Enclosure Supply:	3/8" tube fitting
Enclosure Reference:	1/4" tube fitting
Safe Enclosure Pressure:	0.25" w.c.
Safe Pressure Flow Rate:	** 0.1 - 3.5 SCFH per cubic foot
Purging Enclosure Pressure:	** 5" - 8" w.c.
Purging Flow Rate:	10 SCFM / 600 SCFH @ 60 psi
4 Volume Purge Time:	1 minute per 2.5 cubic foot
5 Volume Purge Time:	1 minute per 2.0 cubic foot
Switch Set Point on Decrease:	0.15" w.c. ± 0.02"
Pressure Switch Conduit Port:	1/2" FPT
Pressure Switch Contact Ratings:	See EPSK Bulletin

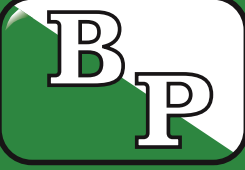
* Air must contain no more than trace amounts of flammable vapors.

** Enclosure integrity determines safe pressure flow rate and purging enclosure pressure.

Required Accessory

A Model PV-3 Spark Arresting Vent is required for proper operation of the purging cycle and to protect the enclosure from excessive pressure of the protective gas supply in accordance with the requirements of NFPA 496, EN 50016 and IEC 60079-02.

Best Purging Systems Corporation therefore requires the purchase of a Model PV-3 Spark Arresting Purge Vent with this unit for installation on the protected enclosure or the last enclosure of an enclosure array.



Model YZ103

Type Y & Z Purging & Pressurization Unit

Class I Applications Up To 75 Cubic Feet

Technical Bulletin YZ103 TB-R0 © 07.23.2018



**Universal Mount Unit
less Pressure Switch for
any side or panel mounting**



**Vertical Mount Unit
with Pressure Switch for
left or right side mounting**



**Horizontal Mount Unit
with Pressure Switch for
top or bottom side mounting**



Best Purging Systems
Enclosure Purging & Pressurization Solutions

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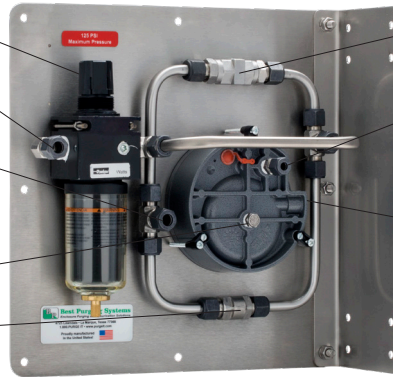
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Rear Views



Horizontal Mount Unit with Pressure Switch

Filter Regulator
Unit Supply Connection
Enclosure Supply Connection
Atmospheric Reference
Enclosure Pressure Control Valve



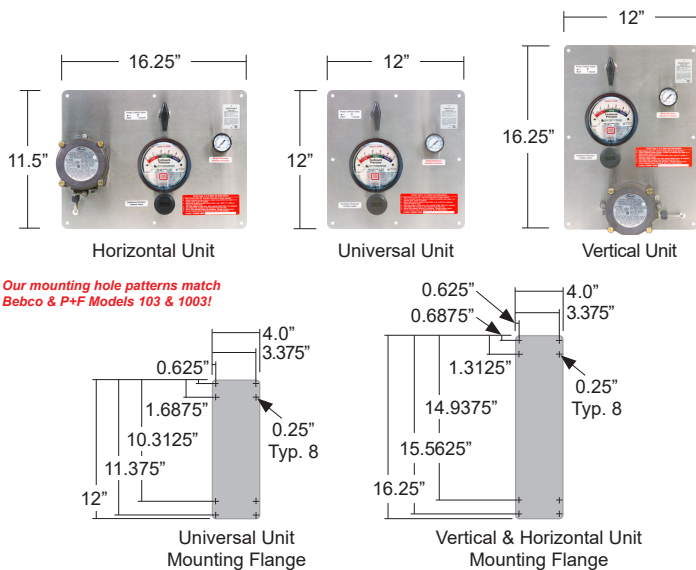
Universal Mount Unit less Pressure Switch

Purge Control Valve
Enclosure Pressure Reference Connection
Enclosure Pressure Gauge



Vertical Mount Unit with Pressure Switch

Unit & Mounting Flange Dimensions



Our mounting hole patterns match Babco & P+F Models 103 & 1003!

Model Number Matrix

Typical Model Number:

YZ 103-CI-L-U-*

Unit Type	Y - Division 1 / Zone 1 to Division 2 / Zone 2	Z - Division 2 / Zone 2 to Unclassified
Unit Series	103 - Purging & Pressurization Unit	
Area Classification	CI - Class I	
Pressure Switch Option	L - Less Switch	W - Class I, Group C & D Switch B - Class I, Group A, B, C & D Switch
Mounting Configuration	U - Universal	V - Vertical H - Horizontal
Group B Switch Voltage (omit if not applicable)	24 - 24 VDC	120 - 120 VAC 240 - 240 VAC

Please contact a Sales Associate for specifications and factory integration of Model PMGK Panel Mount Gasket Kits for Universal Mounting Configurations

Material Specifications

Mounting Plate, Flange & Atmospheric Reference: 304 Stainless Steel
Valve & Fitting Bodies, Ferrules & Unit Fasteners: 316 Stainless Steel
Tube Fitting Compression Nut Coating: Molybdenum Disulfide
Enclosure Pressure Gauge Lens: Acrylic w/ Neoprene O-Ring
Enclosure Pressure Gauge Body: Cast Aluminum w/ Epoxy Finish
Fastener Kit Sealing Screws: 316 Stainless Steel w/ Neoprene O-Ring
Fastener Kit Sealing Washers: 18-8 Stainless Steel w/ Neoprene Washer
Fastener Kit Locking Nuts: 316 Stainless Steel w/ Nylon Insert

Atmospheric Reference: 316 Stainless Steel Body & 304 SS Element
Indelible Unit Nameplates: 3M Lexan™ w/ 3M VSB™ Adhesive
Supply Regulator Head & Bowl: Acetal Polymer Plastic
Supply Regulator Body: Zinc w Buna N Elastomers
Supply Pressure Gauge: Painted Steel Case, Plastic Lens, Brass Body
Pressure Switch Body: Cast Aluminum w/ Epoxy Finish
Pressure Switch Bolts & Contacts: Zinc Plated Steel & Mica Silver
Enclosure Pressure Gauge & Switch Diaphragms: Fluorosilicone

Unit & Protected Enclosure Accessory Hyperlinks



Model PV Spark Arresting Pressure Vents
Prevents excessive enclosure pressure upon unit regulator failure



Model BCK Unit & Bulkhead Connection Kits
Connects the unit and multiple protected enclosures of an array



Model RAB & RAH Remote Alarm Beacons & Horns
Signals loss of protected enclosure safe pressure



Model EPSK Enclosure Pressure Switch Kits
Complements universal mount units to activate audible or visual alarms



Model EPWN & ETWN Pressure & Temperature Warning Nameplates
Provides NFPA required markings for protected enclosure doors and covers



Model PMGK Panel Mount Gasket Kits
Converts universal mount units for panel mounting in protected enclosures

One (1) Model EPWN Enclosure Warning Nameplate & One (1) Unit Flange or Panel Mount Fastener Kit furnished with all Units. All specifications subject to change without notice. Warranty & Liability policies available upon request.

Product Description

Model YZ104 is a Type Y or Z pressurization unit designed to protect electrical equipment in Class I Hazardous Areas. When connected to a supply of protective gas and utilized in conjunction with a Model PV-4 Spark Arresting Purge Vent, the Model YZ104 will supply, regulate and monitor the protective gas supply to a protected electrical enclosure and accomplish purging of the protected enclosure in an expedited manner. Type Z applications reduce the hazardous area rating inside the enclosure from Division 2 / Zone 2 to Unclassified. This allows general purpose equipment to operate in Division 2 / Zone 2 areas. Type Y applications reduce the hazardous area rating inside the enclosure from Division 1 / Zone 1 to Division 2 / Zone 2. This allows Division 2 / Zone 2 equipment to operate in Division 1 / Zone 1 Hazardous Areas.

Unit Operation

Prior to Start-Up: Ensure Protected Enclosure Power is OFF, Protective Gas Supply is ON, Filter Regulator is set to 60 PSI, and alarm system is activated (if utilized). Test Purge Vent for proper operation. **Start-Up:** Close and seal Protected Enclosure. Open Enclosure Pressure Control Valve until a "Safe" reading is shown on the Enclosure Pressure Gauge. Open Purge Control Valve and allow unit to purge protected enclosure for the required time marked on Unit Start Up Instructions or for 5 minutes, minimum and then close Purge Control Valve. Confirm protected enclosure "Safe" pressure is stable. Energize protected enclosure equipment. Loss of "Safe" pressure requires immediate attention. De-energized power if "Safe" pressure cannot be restored within a reasonable amount of time.

Product Specifications


Maximum Enclosure Volume:	250 cubic feet
Universal Unit Weight:	14.0 lbs.
Vertical & Horizontal Unit Weights:	17.5 & 18.0 lbs.
Operating Temp. Range:	-20° F - 120° F
Protective Gas Supply:	* Air or Inert Gas
Unit Supply Pressure:	80 - 125 psi maximum
Unit Supply Connection:	1/2" tube fitting
Enclosure Supply:	1/2" tube fitting
Enclosure Reference:	1/4" tube fitting
Safe Enclosure Pressure:	0.25" w.c.
Safe Pressure Flow Rate:	** 0.1 - 3.5 SCFH per cubic foot
Purging Enclosure Pressure:	** 5" - 8" w.c.
Purging Flow Rate:	30 SCFM / 1800 SCFH @ 60 psi
4 Volume Purge Time:	1 minute per 7.5 cubic foot
5 Volume Purge Time:	1 minute per 6.0 cubic foot
Switch Set Point on Decrease:	0.15" w.c. ± 0.02"
Pressure Switch Conduit Port:	1/2" FPT
Pressure Switch Contact Ratings:	See EPSK Bulletin

- * Air must contain no more than trace amounts of flammable vapors.
- ** Enclosure integrity determines safe pressure flow rate and purging enclosure pressure.

Required Accessory

A Model PV-4 Spark Arresting Vent is required for proper operation of the purging cycle and to protect the enclosure from excessive pressure of the protective gas supply in accordance with the requirements of NFPA 496, EN 50016 and IEC 60079-02.

Best Purging Systems Corporation therefore requires the purchase of a Model PV-4 Spark Arresting Purge Vent with this unit for installation on the protected enclosure or the last enclosure of an enclosure array.



Model YZ104

Type Y & Z Purging & Pressurization Unit

Class I Applications
Up To 250 Cubic Feet

Technical Bulletin YZ104 TB-R0
© 07.23.2018



**Universal Mount Unit
less Pressure Switch for
any side or panel mounting**



**Vertical Mount Unit
with Pressure Switch for
left or right side mounting**



**Horizontal Mount Unit
with Pressure Switch for
top or bottom side mounting**



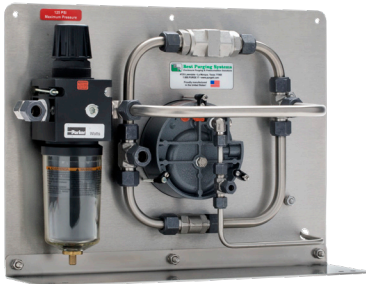
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Enclosure Purging & Pressurization Solutions

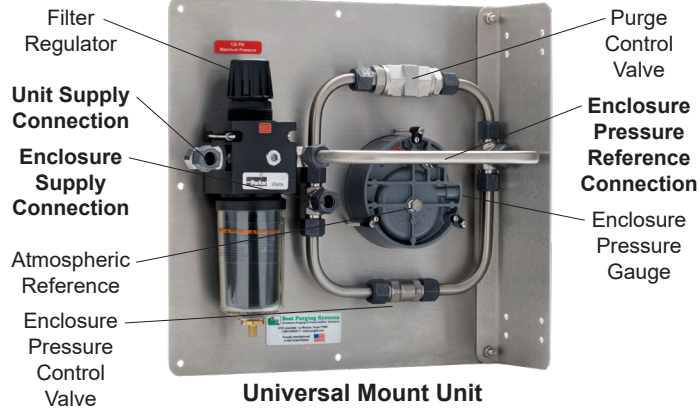
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Rear Views



Horizontal Mount Unit with Pressure Switch

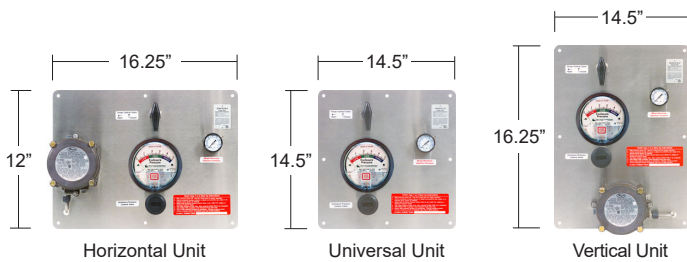


Universal Mount Unit less Pressure Switch

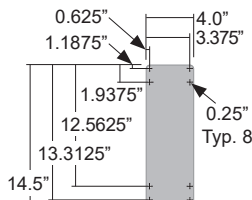


Vertical Mount Unit with Pressure Switch

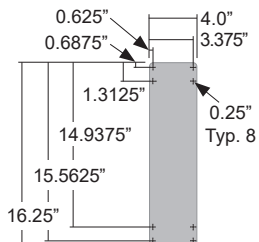
Unit & Mounting Flange Dimensions



Our mounting hole patterns match Benco & P+F Models 104 & 1004!



Universal Unit Mounting Flange



Vertical & Horizontal Unit Mounting Flange

Model Number Matrix

Typical Model Number:

YZ 104-CI-L-U-*

Unit Type	Y - Division 1 / Zone 1 to Division 2 / Zone 2	Z - Division 2 / Zone 2 to Unclassified
Unit Series	104 - Purging & Pressurization Unit	
Area Classification	CI - Class I	
Pressure Switch Option	L - Less Switch	W - Class I, Group C & D Switch
	B - Class I, Group A, B, C & D Switch	
Mounting Configuration	U - Universal	V - Vertical H - Horizontal
Group B Switch Voltage (omit if not applicable)	24 - 24 VDC	120 - 120 VAC 240 - 240 VAC

Please contact a Sales Associate for specifications and factory integration of Model PMGK Panel Mount Gasket Kits for Universal Mounting Configurations

Material Specifications

Mounting Plate, Flange & Atmospheric Reference: 304 Stainless Steel
 Valve & Fitting Bodies, Ferrules & Unit Fasteners: 316 Stainless Steel
 Tube Fitting Compression Nut Coating: Molybdenum Disulfide
 Enclosure Pressure Gauge Lens: Acrylic w/ Neoprene O-Ring
 Enclosure Pressure Gauge Body: Cast Aluminum w/ Epoxy Finish
 Fastener Kit Sealing Screws: 316 Stainless Steel w/ Neoprene O-Ring
 Fastener Kit Sealing Washers: 18-8 Stainless Steel w/ Neoprene Washer
 Fastener Kit Locking Nuts: 316 Stainless Steel w/ Nylon Insert

Atmospheric Reference: 316 Stainless Steel Body & 304 SS Element
 Indelible Unit Nameplates: 3M Lexan™ w/ 3M VSB™ Adhesive
 Supply Regulator Head & Bowl: Acetal Polymer Plastic
 Supply Regulator Body: Zinc w Buna N Elastomers
 Supply Pressure Gauge: Painted Steel Case, Plastic Lens, Brass Body
 Pressure Switch Body: Cast Aluminum w/ Epoxy Finish
 Pressure Switch Bolts & Contacts: Zinc Plated Steel & Mica Silver
 Enclosure Pressure Gauge & Switch Diaphragms: Fluorosilicone

Unit & Protected Enclosure Accessory Hyperlinks



Model PV Spark Arresting Pressure Vents
Prevents excessive enclosure pressure upon unit regulator failure



Model BCK Unit & Bulkhead Connection Kits
Connects the unit and multiple protected enclosures of an array



Model RAB & RAH Remote Alarm Beacons & Horns
Signals loss of protected enclosure safe pressure



Model EPSK Enclosure Pressure Switch Kits
Complements universal mount units to activate audible or visual alarms



Model EPWN & ETWN Pressure & Temperature Warning Nameplates
Provides NFPA required markings for protected enclosure doors and covers



Model PMGK Panel Mount Gasket Kits
Converts universal mount units for panel mounting in protected enclosures

One (1) Model EPWN Enclosure Warning Nameplate & One (1) Unit Flange or Panel Mount Fastener Kit furnished with all Units. All specifications subject to change without notice. Warranty & Liability policies available upon request.

REQUIRED COMPONENT
Models YZ102, YZ103 & YZ104

OPTIONAL COMPONENT
Models YZ101A, YZ101B & YZ101C


Product Description

The Model PV Purge Vent is a gravity operated enclosure pressure relieving device designed to relieve excess pressure inside a protected enclosure, while preventing any sparks or burning material from escaping into a classified location.

Model PV Purge Vents are designed for use exclusively with Best Purging Systems purge and pressurization products. Model PV is constructed of an aluminum cap, base and pipe fitting and features a stainless steel filter element and fasteners, to ensure maximum resistance against corrosive environments.

Model PV Purge Vents will begin to open when enclosure pressure exceeds approximately 0.8" w.c. and will fully open when enclosure pressure exceeds approximately 1.5".

All Model PV Purge Vents **MUST** be installed in a true vertical position for proper operation and are available in "T" (top mount) and "S" (side mount) configurations. The vents feature a conduit hub with sealing gasket to connect easily to a protected enclosure, or may be mounted remotely. - please contact factory for more details



Model PV

Spark Arresting Purge Vent Assembly

Designed Exclusively for use with Best Purging
Systems Purge & Pressurization Products

Technical Bulletin PV TB-R0© 06.14.2018



PV - 4 - T



PV - 3 - T



PV - 2 - T

Top Mount Style Purge Vents



PV - 4 - S



PV - 3 - S



PV - 2 - S

Side Mount Style Purge Vents

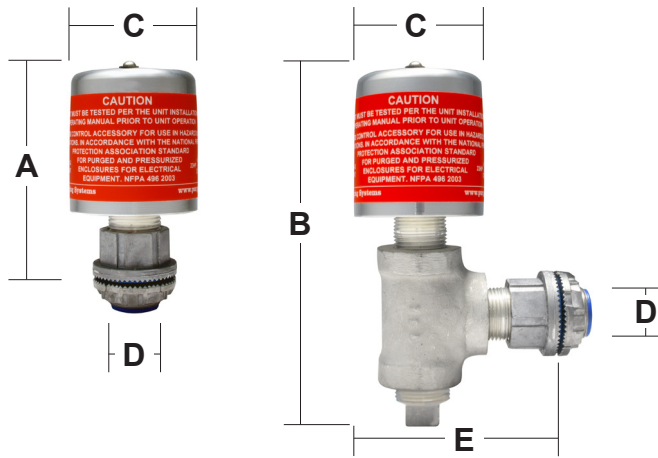


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Purge Vent Dimensions



Vent Model	PV-2	PV-3	PV-4
Hub Size	3/4"	1 1/4"	1 1/2"
A - Top Mnt. Hgt.	4.5"	4.5"	6.0"
B - Side Mnt. Hgt.	6.5"	8"	10"
C - Cap Diameter	2.5"	3.5"	5.5"
D - Hub Knockout	1.125"	1.75"	2"
E - Overall Width	5.25"	5.5"	7.75"

Hub Size Indicates trade size. All dimensions in inches. All vents require 4" to 6" underside clearance for testing.

Technical Specifications

	PV-2	PV-3	PV-4
Top Mount Shipping Weight:	1 lb.	1.5 lbs.	2.5 lbs.
Side Mount Shipping Weight:	1 lb.	2.5 lbs.	4 lbs.
Mounting Hub Diameter:	3/4"	1 1/4"	1 1/2"
Purge Flow Rate:	4 scfm	12 scfm	30 scfm
Purge Enclosure Pressure:	*2.8" w.c.	3.2" w.c.	4.8" w.c.
Operating Temperature Range:	-20°F to 120°F		

* Enclosure Integrity determines actual Pressure

** 1/2" supply @ 100 psi, totally sealed test enclosure

Material Specifications

Vent Cap:	Machined 3003 Aluminum
Vent Base:	Machined 3003 Aluminum
Vent Cover:	Seamless Drawn Aluminum
Mounting Hub:	Copper-Free Aluminum
Spark Arresting Element:	80 micron 316 SS
Fastening Hardware:	316 Stainless Steel
Pipe Fittings:	Aluminum
Relief Ball:	Polypropylene
Vent Nameplate:	Lexan®

Lexan® is a registered trademark of the General Electric Company

Model Number Matrix

Typical Model Number:

PV - 3 - T - *

Series Model Number

Purge Vent Size

2 - 3/4"

3 - 1-1/4"

4 - 1-1/2"

Mounting Style

T - Top Mount (top of enclosure)

S - Side Mount (side of enclosure)

Optional Special Use Characters

This designator is utilized to denote specific customer requested modifications and special assemblies to include but not limited to extended or metric mounting hubs, special coatings, materials and lift off pressures.

Compatibility Chart

Purge Vent Models

PV-2-T & PV-2-S

PV-3-T & PV-3-S

PV-4-T & PV-4-S

Purge & Pressurization Units

YZ101A & YZ102

YZ101B & YZ103

YZ101C & YZ104

Specifications subject to change without notice. Warranty & liability statements available upon request.

Ask a Sales Associate about our complete range of essential accessories, or visit our website for more information!

Model BBCF, BFCF, BFFK & EPC

Tubing & Pipe Bulkhead Connection Kits

Technical Bulletin ECK TB-80 © 08.20.2018

The Model BBCF Bulkhead Connection Kit provides standard nut and ferrule tubing connections to a protected enclosure for purging or pressurization systems supply and reference tubing. The Model BFCF consists of one 1/4" through wall stainless steel bulkhead fitting for atmospheric reference and one 1/4" 3/8" or 1/2" through wall stainless steel bulkhead fitting, depending on model selected, for the supply connection to the protected enclosure.

The Model BFFK Bulkhead Connection Kit provides standard nut and ferrule tubing connections to a protected enclosure for purging or pressurization systems supply and reference tubing. The Model BFFK consists of one 1/4" through wall stainless steel bulkhead fitting for atmospheric reference and one 1/4" 3/8" or 1/2" through wall stainless steel bulkhead fitting, depending on model selected, for the supply connection to the protected enclosure.

The Model EPC Enclosure Pipe Connection Kit provides multiple purged or pressurized enclosures. The Model EPC consists of four 1/4" 1/2" or 1/2" flush mount zero die cast bulkhead fittings.

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Model EPSC

Pressure Loss Alarm Switch

Accessories for ALL Universal Mount Purging & Pressurization Systems

Technical Bulletin EPSC TB-80 © 07.10.2018

The Model EPSC Enclosure Pressure Switch Kit includes a 1/4" NPT pressure switch, a 1/4" NPT Remote Alarm Horn device, or any pre-existing or common alarm device or speaker. The Enclosure Pressure Switch Kit can be utilized to activate the alarm or alarm to gain the attention of operators and maintenance personnel upon the loss of safe pressure in a protected enclosure.

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Model EPWN & ETWN

Enclosure Pressure & Enclosure Temperature Warning Nameplates

Technical Bulletin EPWN TB-80 © 07.10.2018

The Model EPWN Enclosure Pressure Warning Nameplate is intended for all protected enclosures. One (1) nameplate is furnished with all Purging and Pressurization Kits. Additional nameplates must be ordered separately at a time of order to label other of the protected enclosures, as required by NFPA 496.

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Model PIAD

Purgeable Instrument Access Doors

Technical Bulletin PIAD TB-82 © 03.20.2021

For Panels or Surface Mounted Devices in Purged, Pressurized, Outdoor or Corrosive Area Enclosures

The Model PIAD Purgeable Instrument Access Door is a standard instrument access door with a built-in purge system. The door is designed to provide a secure seal and is purged with clean, dry air to prevent contamination of the instrument or process. The door is available in 14 Gauge Carbon Steel or 316 Stainless Steel.

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Model PMGK

Panel Mount Gasket Kits

Universal Mount Model YZ Unit Conversion Kits

Technical Bulletin PMGK TB-80 © 08.18.2016

The Model PMGK Panel Mount Gasket Kit permits installation of Universal Mount Model YZ units through a cutout in any surface or door of an enclosure. The gasket is designed to fit the enclosure, rather than being mounted externally as a peripheral kit.

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Model RAB & RAH

Remote Alarm Devices

Class I, Division 1 & 2 Alarm System Beacons & Horns

Technical Bulletin RAD TB-82 © 06.08.2016

The Model RAB-1-C-C Alarm Beacon is a Class I, Division 1 & 2 alarm beacon. It is designed to provide a clear, audible alarm signal in hazardous areas. The beacon is available in 14 Gauge Carbon Steel or 316 Stainless Steel.

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Model RR-4, RR-6, & RR-8

Overpressure Protection Redundant Regulators

Technical Bulletin RR TB-80 © 07.20.2016

The Model RR Redundant Regulator is intended to control 100, 101A, 101B, or 101C Enclosure Pressure Units to excessive protective gas supply pressure.

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Model PIAD

Purgeable Instrument Access Doors

Technical Bulletin PIAD TB-82 © 03.20.2021

For Panels or Surface Mounted Devices in Purged, Pressurized, Outdoor or Corrosive Area Enclosures

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Model RAB & RAH

Remote Alarm Devices

Class I, Division 1 & 2 Alarm System Beacons & Horns

Technical Bulletin RAD TB-82 © 06.08.2016

The Model RAB-1-C-C Alarm Beacon is a Class I, Division 1 & 2 alarm beacon. It is designed to provide a clear, audible alarm signal in hazardous areas. The beacon is available in 14 Gauge Carbon Steel or 316 Stainless Steel.

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