Features

- Suitable for Zone 2&22
- ATEX & IECEX certifications
- Manifold combines the solenoid valve for purging and needle valve for pressurization in one housing
- · Suitable for steel or plastic tubing
- · Mounting hardware, pneumatic fittings and tubing included

Application

The 5500-MAN-EX01-* combines a solenoid valve for purging and a needle valve for pressurization in one manifold design. When the valve is energized, the solenoid valve is open and allows for a high flow rate of protective gas into the enclosure. When the valve is de-energized, the flow through the internal needle valve is adjustable by a flathead screw driver through the needle stem on the manifold. The solenoid valve is used for purging, leakage compensation, and temperature control by signals from user defined points on the 5500 control unit.

Mounting hardware includes 3/8" tube compression fittings mounted on the manifold for input and output flow, 3/8" tube compression bulkhead fitting for getting flow into the enclosure and certified sealing washers with bolts to mount the manifold to the enclosure. Also included is 1 meter of 3/8" poly tubing with 3/8" poly tube stiffener inserts which allows the connection of plastic tubing to compression fittings without collapsing the tubing.

The 5500-MAN-EX-01-* is certified for Zone applications. For NEC, Class/Division applications see the model number key for proper manifold selection .

The 5500 valve system works with the 5500 control unit and EPV-5500 vents.

The 5500 system has ATEX and IECEx certification for Zone 2&22 installation.



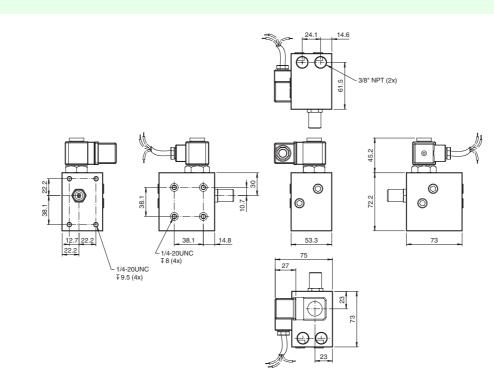


BEBCO EPS_®

Dimensions

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Derivation operation operation automatic purging Series 5500 Hearadous environment gas or dust Supply 120 V AC: 7.2 VA, 60 Hz Voltage tolerance: +/- 10 % Voltage tolerance: +/- 10 % Electrical specifications 700 AC: 7.2 VA, 60 Hz Fuse rating 80 mA (tuse rating on 5500 control unit) 700 AC: 7.2 VA, 60 Hz Protective gas supply Instrument grade air or inert gas Protective gas supply Instrument grade air or inert gas Protective gas supply Instrument grade air or inert gas Protective gas supply Instrument grade air or inert gas Protective gas supply 1.7 bar (25 pa) to 8.0 bar (115 pai) Purge flow rate solenoid valves : Cv (flow coefficient) = 1.4 needle valve : Cv (flow coefficient) = 0.24 Ambient temperature -20 50 °C (-4 122 °F) Mechanical specifications Purget 38 inch Tube compression fitting Connection type Input port: 38° Tube compression fitting: 316 stainless steel Material Vpe 7 8.9 Material Ype 7 8.9 Mass 120 g (2.8 lb) Dimensions	General specifications	
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