

Explosion Proof Enclosure

The Manning Explosion Proof Enclosure System operates on a supply of safe compressed air. It regulates and monitors pressure within a sealed (protected) enclosure in order to remove and prevent flammable gas or vapor accumulations. The system accomplishes four air exchanges and maintains a "safe" (0.25") pressure. This process reduces the hazardous (classified) area rating within the enclosure, in accordance with the NEC-NFRA 70, Article 500, NFPA 496 and ISA 12.4. A system is available for use in either Class 1, Division 1 or Class 2, Division 1 situations.

Standard Features

- Door has 3 lockable handle and stainless steel continuous hinge on the right side.
- Access holes for sampler intake hose (right side) and electrical power (left side)
- Two grounded duplex outlets for 110-VAC electrical power on left-side wall for convenient use with refrigerator, sampler and accessories.
- Panel can be mounted on right or left side or on another surface other than the full enclosure.

Heating/Cooling

Contact factory if service temperature is less than 32 degrees Fahrenheit or more than 95 degrees Fahrenheit.

Light Option

Vapor-tight light fixture uses a 100 W, 110 VAC light bulb mounted on inside left wall. Wall-mounted switch.



Notes:

The enclosure has a shelf and space that allows for you to also store other small equipment in a weather safe environment.

The enclosure is designed for use with the Manning VSR, YB8, and S-5000 samplers. The enclosure can also accommodate the S-5200 sampler, but the clearances are very tight.

Approximate shipping dimensions and weight (enclosure only): 36" x 34" x 81" (914.40 mm x 863.60 mm x 2057.40 mm), 225 lbs (102.06 kg).

Enclosure should be installed on flat, level surface. 20-Amp, 110 VAC electrical service must be connected to the enclosure for a standard 110 VAC sampler, refrigerator and accessories. 220 VAC service is required if refrigerator or sampler is 220 VAC (special option only, please consult factory). Consult local electrical codes for proper wiring.

Caution: Only an experienced, properly licensed electrician should perform electrical wiring.



Manning Environmental, Inc.

101 Bar T Dr.

Florence, Texas 76527 USA

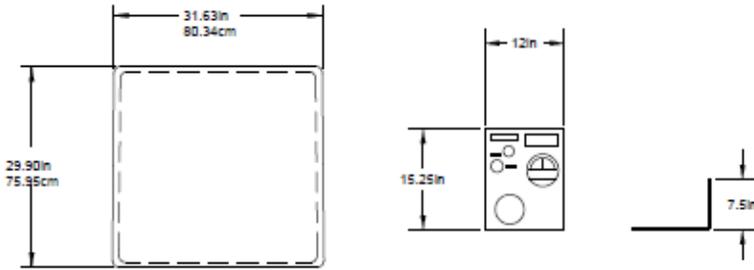
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Fax: (254) 793-9965

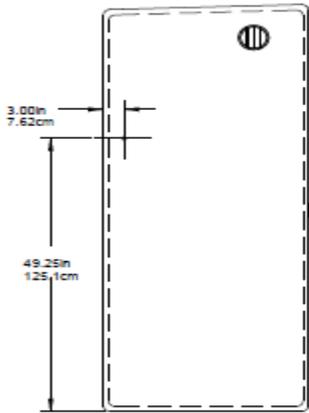
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Web: www.manningenvironmental.com

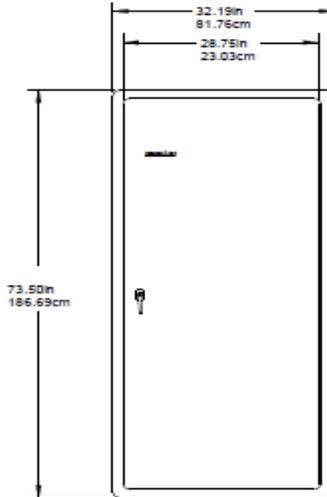
TOP VIEW



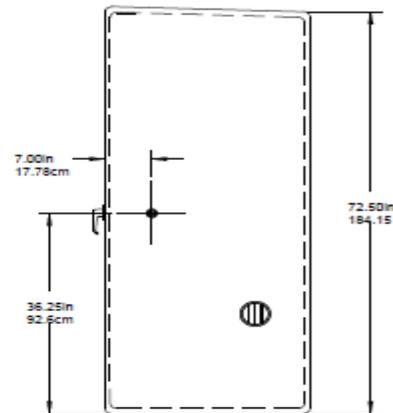
**Explosion Proof
Enclosure Dimensional
Drawings**



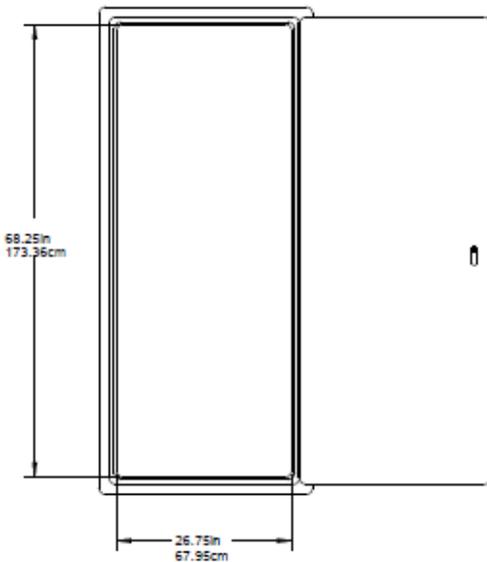
LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW



FRONT VIEW DOOR OPEN

Note: All measurements are approximate. Due to the manufacturing process, measurements of individual units may vary slightly.

Headquarters and Sales:

Manning Environmental, Inc.
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Florence, Texas 76527

Phone: (800) 863-9337
Fax: (254) 793-9965
Email: sales@manning-enviro.com
Web: <http://www.manningenvironmental.com>

In the interest of improving and updating its equipment, Manning reserves the right to alter specifications for equipment at any time.

