

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-NFPA 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.

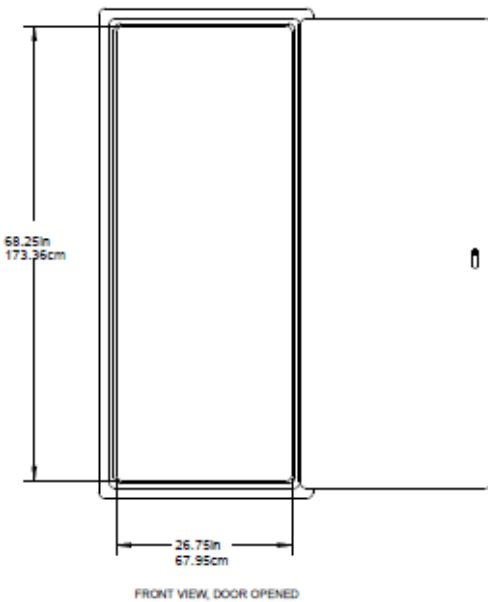
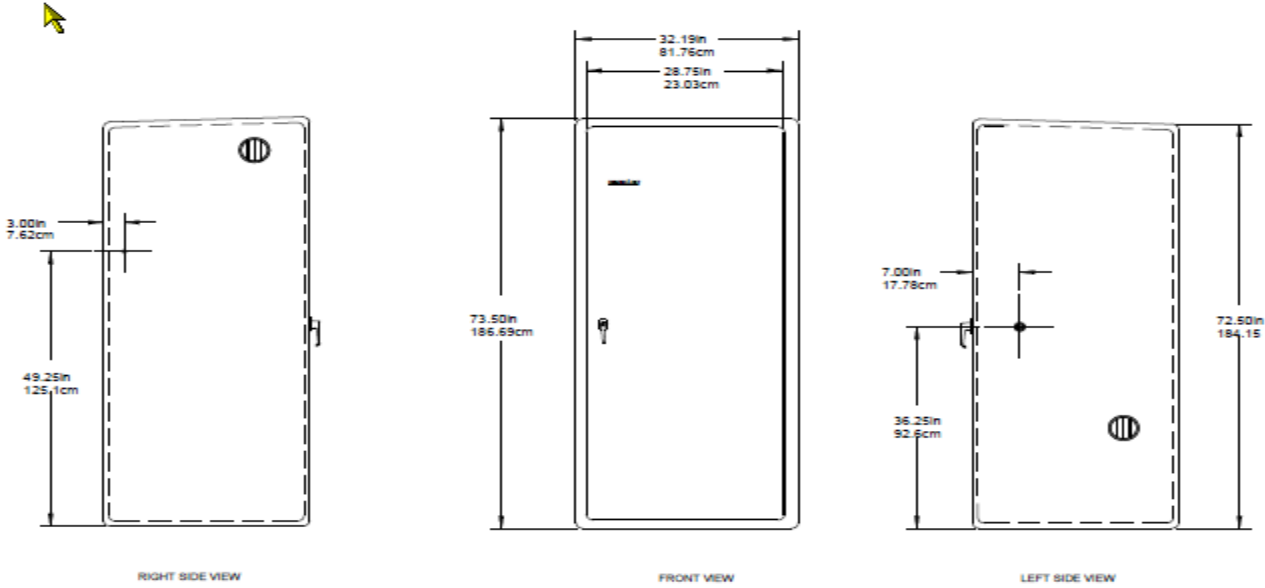
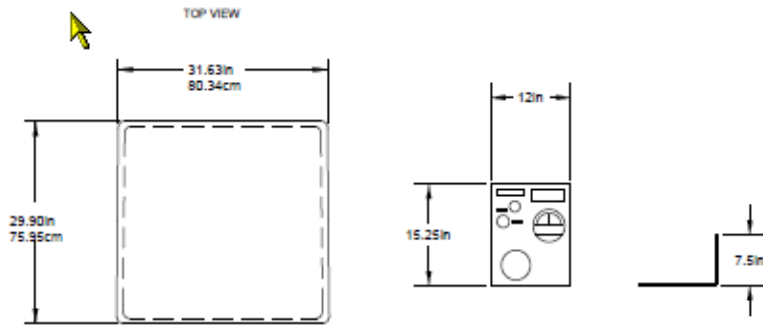
The enclosure is designed for use with the Manning VSR, YB8, and S-5000 samplers. The enclosure can also accommodate the S-5200 sampler, but the clearances are very tight. For 220 VAC, 50 Hz applications, please consult the factory.

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.

Explosion Proof Enclosure Dimensional Drawings



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

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