



Manufacturing Co, Inc
Serving Since 1972

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NFPA 69 Compliant Explosion Prevention Systems

First pick a Detector:

MARK IV

Hazardous Gas, and Temperature
Detector

MARK V

Hazardous Gas, and Temperature,
Smoke, and Intrusion Detector



Second Step: Pick a Hazardous Gas:

Hydrogen, Propane, Methane, or Butane

Third step: Calculate the air exchanges needed and pick the Fan System

VENT 12



850 CFM

VENT 24



3400 CFM



H2 Hydrogen Gas Venting System

NFPA 2 Hydrogen Technology Code, NFPA 2001 Clean Agent Code, A & B Emergency - 48 V DC Power Compliant 3,400 CFM.

Explosion Prevention System

NFPA 69 Explosion Prevention System covers this topic. Equipment used to prevent explosions must meet this code. This code uses the other codes to build the code for Explosion Prevention Systems. The Equipment Arrgh manufacturers is covered in Chapter 8, "Deflagration Prevention by Combustible Concentration Reduction."

It requires compliance with Class I Division II code, and/or Class I zone 1 and 2 compliance. Zone 0 is not required, nor logical as it would always be in the alarm mode.

This NFPA 69 8.3.1 requires that alarms are set at 25% LFL unless the alarm monitor is continuous, then it can be set at 60% LFL.

Section 8.3.3.2 Requires a backflow air shutoff, and our units must be wired with a combustible gas generating system shut off. This is all available as a standard on Arrgh's equipment.

Arrgh's systems configurations

Arrgh Manufacturing makes two styles of gas detector the Mark 4 and the Mark 5. The Mark 4 is available to detect Hydrogen, Methane, Propane, or Butane. The Mark 5 can also detect any of those hazardous gasses plus Smoke, Temperature and Intrusion. They are available in AC or DC power. These both meet NFPA 69 standards.

Arrgh makes a 12x12 inch fan with a powered louver and rain guard. Arrgh makes a similar one that is 24 x24 inch. They are available in AC or DC voltages. These both meet NFPA 69 standards.

Arrgh makes a 24X24 inch fan. and a fan that meets NFPA 2, an "H2 Ventilation System." Although made for Hydrogen gas, it can work with any of Arrgh's detectors and clean agent systems. It can work on any voltage AC or DC, and -48 V A & B systems. Fire fighter shut down switch and klaxon are available.