

# Rosemount™ 370XA Enclosure for Natural Gas Applications

Natural Gas Chromatographs are often used in isolated locations for custody transfer applications. This can leave the gas chromatograph vulnerable to tampering and the gas canisters susceptible to theft. In addition to isolated locations, the gas chromatograph and its sampling handling system can be exposed to extreme environmental conditions. These conditions may allow the gas in the sample system to fall below the Hydrocarbon Dew Point of the gas, causing liquid fallout and inaccurate flow measurements.

An insulated clamshell enclosure for the gas chromatograph and a small calibration gas cylinder provides protection from intrusion from un-authorized third parties and theft with its lead-seal feature. An optional heater ensures an ambient environment of 68 °F (20 °C) when outside temperatures drop to -4 °F (-20 °C), keeping the gas above its Hydrocarbon Dew Point.

## Features

The enclosure meets CSA Class I, Division 1 certification and is easy to use. The enclosure comes with the gas chromatograph prewired to an external Class I, Division 1 junction box, reducing the complexity of installation and saving you time and costs.

### Designed for Extreme Environments

- UV, sea-water and fungi resistance
- Ability to lock and lead-seal the enclosure to prevent unauthorized 3<sup>rd</sup> party access

### Reduced Installation Costs

- Small, composite clamshell replaces the need for a conventional single room or dual room analyzer building that is cost prohibitive for lower volume applications
- Enclosure enables locating the Rosemount 370XA Gas Chromatograph close to the sample point, shortening the heated sample lines



Rosemount™ 370XA Enclosure

- Internal tubing and wiring plumbed and connected to the Rosemount 370XA Gas Chromatograph before arriving in the field for easier and quicker field installation

### Ease of Use

- No need to remove the Rosemount 370XA Gas Chromatograph from the enclosure to perform routine maintenance as the enclosure is designed with sufficient space and big hands in mind
- Enclosure's clamshell lid with stainless steel lid stays and spring loaded retainer chains is easy to lift yet will not close accidentally for increased safety
- Heat-trace boot entry tubing for sample gas ensures thermal stability to keep the gas sufficiently above its Hydrocarbon Dew Point of the gases to avoid liquid fallout

## Optional Accessories

### Sample Probe Regulator

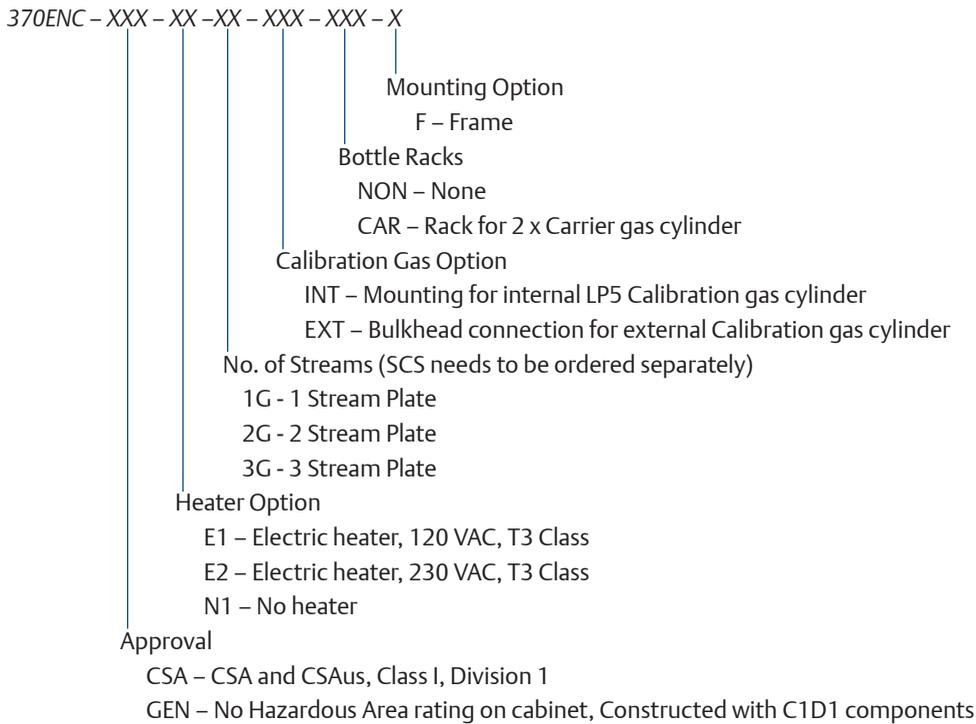
- 2-4-5000-610 (4") - Genie® Probe Regulator with HSNG/GAG/RLF, ¾" NPT, 4"
- 2-4-5000-617 (7") - Genie® Probe Regulator with HSNG/GAG/RLF, ¾" NPT, 7"
- 2-3-5000-702 - Genie® Drive Probe with HSNG/GAG/RLF, ¾" NPT, Adjustable Length

### Carrier Gas & Calibration Gas Accessories

- 2-3-5000-050 - Carrier Manifold (Allows for cylinder replacement without GC interruption)
- 2-4-9500-078 - Regulator, for Carrier cylinder, with CGA 580 fittings, Dual Stage for High Purity gases
- 2-4-9500-077 - Regulator, for Calibration Gas, CGA-510 fittings (Natural Gas)
- 2-9-0020-945 - C6+ Calibration gas in LP5 cylinder
- 2-9-9020-779 - Calibration Heater Blanket, 50 W, Class I, Div.1, Groups C, D (15 x 42)

## Part Number Ordering Matrix

Your part number is determined by your specific needs. Choose options below



\*GC needs to be ordered as Wall Mount. Sample conditioning system for the Rosemount 370XA GC must also be ordered.

# Specifications

Please consult Rosemount if your requirements are outside the specifications listed. Improved performance, alternate products and material offerings may be available depending on the application.

## Construction

**Environmental Temperature:**

-4 °F to +140 °F (-20 °C to +60 °C)

**Protection Rating:**

External Junction Box: NEMA 4X

**Area Safety Certification Options:**

GEN: No Hazardous Rating, C1D1 components

CSA: CSA and CSAus Class I, Division 1

**Optional Heater:**

Electric, 120 VAC or 230 VAC, 300 W, T3

**Total Weight (Excludes Calibration Gas Cylinder)**

300 lbs (136 Kg)

**Material:**

Enclosure: Hot-pressed glass fiber reinforced polyester

Frame: Polyester-epoxy coated, 12 gauge

low-carbon steel

**Dimensions:**

Enclosure: 24" H x 52" W x 24" D

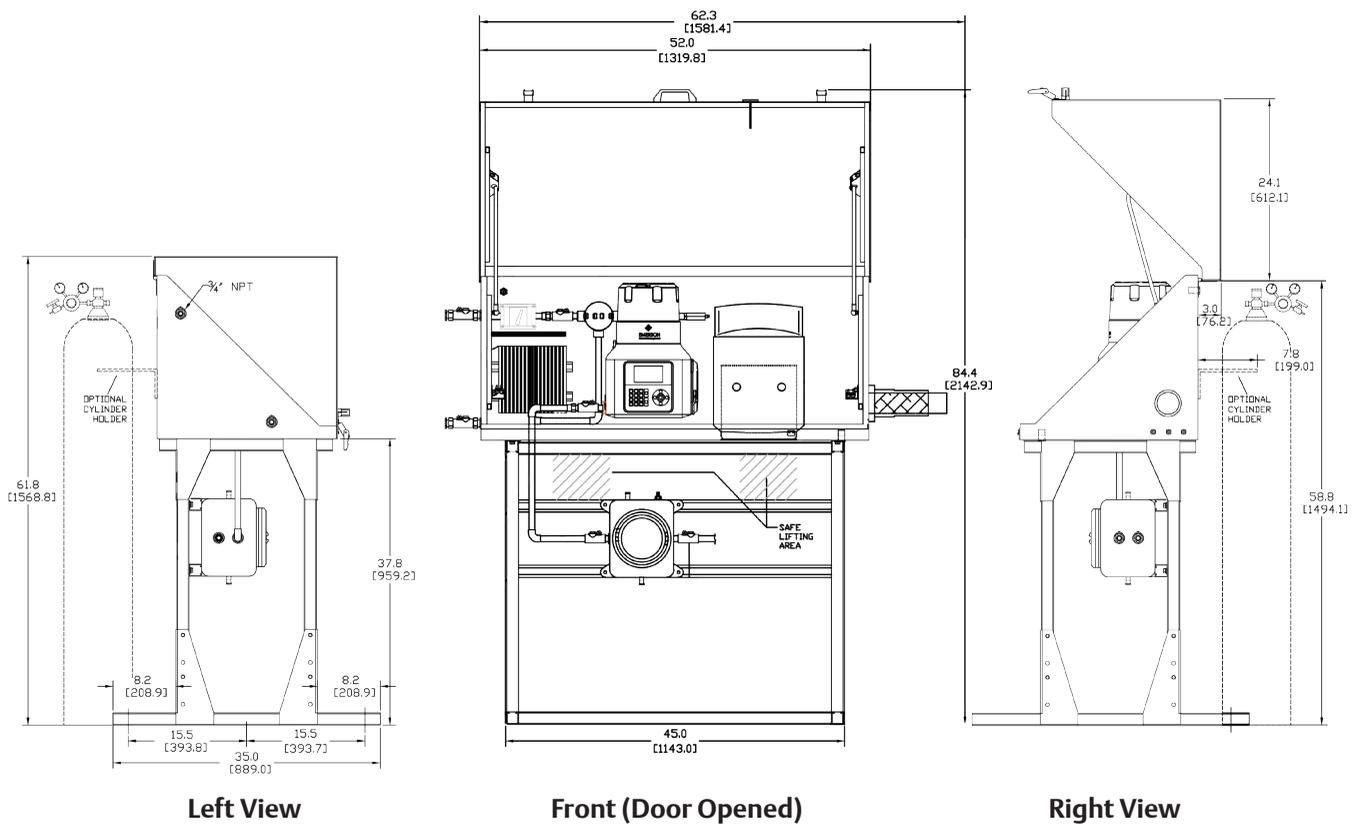
(609 mm H x 1320.8 mm W x 609 mm D)

Overall (with lid open): 84" H x 58" W x 35" D

(2142 mm H x 1479 mm x 889 mm D)

**Mounting: Frame**

## Dimensions



### Global Headquarters

#### Emerson Automation Solutions

6021 Innovation Blvd.  
Shakopee, MN 55379, USA  
 +1 800 999 9307 or +1 952 906 8888  
 +1 952 949 7001  
 GC.CSC@Emerson.com

### North America Regional Office

#### Emerson Automation Solutions

8200 Market Blvd.  
Chanhassen, MN 55317, USA  
 +1 800 999 9307 or +1 952 906 8888  
 +1 952 949 7001  
 GC.CSC@Emerson.com

### Latin America Regional Office

#### Emerson Automation Solutions

1300 Concord Terrace, Suite 400  
Sunrise, FL 33323, USA  
 +1 954 846 5030  
 +1 952846 5121  
 GC.CSC@Emerson.com

### Europe Regional Office

#### Emerson Automation Solutions Europe GmbH

Neuhofstrasse 19a P.O. Box 1046  
CH 6340 Baar  
Switzerland  
 +1 954 846 5030  
 +1 952846 5121  
 GC.CSC@Emerson.com

### Asia Pacific Regional Office

#### Emerson Automation Solutions Asia Pacific Pte LTD

1 Pandan Crescent  
Singapore 128461  
 +65 6777 8211  
 +65 6777 0947  
 GC.CSC@Emerson.com

### Middle East and Africa Regional Office

#### Emerson Automation Solutions

Emerson FZE P.O. Box 17033  
Jebel Ali Free Zone - South 2  
 +971 4 8118100  
 +971 4 88665465  
 GC.CSC@Emerson.com

 [Analyticexpert.com](http://Analyticexpert.com)

 [Linkedin.com/company/Emerson-Automation-Solutions](https://www.linkedin.com/company/Emerson-Automation-Solutions)

 [Twitter.com/Rosemount\\_News](https://twitter.com/Rosemount_News)

 [Facebook.com/Rosemount](https://www.facebook.com/Rosemount)

 [Youtube.com/user/RosemountMeasurement](https://www.youtube.com/user/RosemountMeasurement)

 [Google.com/+RosemountMeasurement](https://plus.google.com/+RosemountMeasurement)

The Emerson logo is a trademark and service mark of Emerson Electric Co.  
Rosemount and Rosemount logotype are trademarks of Emerson.  
All other marks are the property of their respective owners.  
© 2018 Emerson. All rights reserved.