

EMRC/Bison Engineering Gas Flow Monitor Data Sheet

Each EMRC Gas Flow Monitor (GFM) is designed for its specific application. It is essential to carefully evaluate each installation. Please complete the following data sheet and return it with as much data as possible. Detailed drawings are appreciated.

Date:

Client Name:

Site Contact Info:

Name	
Phone	
Email	

Technical Information:

General Process Description	
Source Type for GFM Application	
Air Pollution Control System	
Location of GFM in the Process	

Flue Gas Stream Characteristics:

Average Delta P	
Gas Velocity	
Gas Temperature	
Particulate Concentration and Description (size, moisture)	
Absolute Stack Pressure	
Previous Stack Test Data (traverse or velocity profile)	

Instrument Siting (please provide a detailed drawing with the items below)

Diameter of Stack at Sample Port Level	
Flange Size Available for Gas Flow Probe (4", 150 lb. preferred)	
Flange to Inner Wall of Stack Distance of the Sample Port	
Distance from Sample Port to Instrument Housing for Umbilical Length (in feet) (if EMRC will be providing tubing)	
Will the instrument be installed inside a thermally controlled environment such as a CEMS shelter?	

If not: 1. What is the climate temperature range, in °F (or °C)?	
2. Does it require Class 1, Div. 2 specifications?	
3. Will the GFM be installed in an area where it will be affected by adverse conditions such as high concentrations of salt or acid, severe temperature swings, etc.? Please list all potential adverse conditions.	

Data Output

Desired Output Signal (4-20 ma Standard)	
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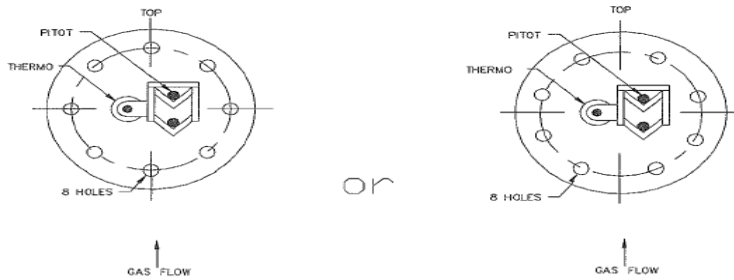
Probe Design:

The desired bolt hole pattern of the flange is required. Please select the first or second drawing (below) of the hole pattern on the existing flange.

1. Top Dead Center

2. Two Hole (most common)

EMRC Recommended Installation



EMRC highly recommends installing the Gas Flow Monitor on ground level preferably in an instrument (CEMS) building or in a place easily accessible to technicians.