



**BGN Armored Variable Area Flowmeter
Application Guide**

Rev 12/2015 FAX to:
Page 1 of 2 KOBOLD Instruments Inc.
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Customer Name: _____

Company Name: _____

Phone: _____ Fax: _____

E-mail: _____

Quotation #: _____ Date: _____ Price: _____ Each

Part Number: _____

Calibrated Measuring Range: _____

Design Conditions

Accurate design pressure and temperature are essential to ensure the flowmeter will be built to operate without damage. Please fill out accurately and completely.

1. Pressure: Maximum _____ PSIG

2. Temperature: Maximum _____ °F

Calibration Conditions for Liquid Flow Applications

1. Type of Liquid: _____
2. Normal Operating Temperature: _____ °F
3. Viscosity at Normal Operating Temperature: _____
4. Specific Gravity (at Normal Operating Temp): _____
5. Desired Measuring Range and Units: _____

Note: Items 3 & 4 not required for water flow

Calibration Conditions for Gas Flow Applications

1. Type of Gas: _____
2. Normal Operating Temperature: _____ °F
3. Normal Pressure at Outlet Fitting: _____ PSIG
4. Specific Gravity (required for gas mixtures): _____
5. Desired Measuring Range and Units: _____

Note: The calibration pressure required is the pressure that the meter sees at its outlet fitting

Measuring Tube Options

1. Measuring Tube Material: ☐ 316 Stainless Steel ☐ PTFE Lined Stainless Steel ☐ Hastelloy C-22
☐ Other (specify): _____
2. Desired Fitting Size: ☐ 1/2" ☐ 3/4" ☐ 1" ☐ 1-1/2" ☐ 2" ☐ 3" ☐ 4" ☐ 5" ☐ 6"
3. Fitting Type: ☐ NPT Thread (2" max) ☐ 150 LB ANSI Flange ☐ 300 LB ANSI Flange
☐ Other (specify): _____
4. Heating/Cooling Jacket: ☐ None ☐ 1/2" NPT Connections ☐ 1/2" 150 lb. ANSI Connections
☐ Other Connections (specify): _____
5. Draining Body: ☐ without ☐ with Self Draining Body
6. Certificates: ☐ without Cert. ☐ Cert. of Compliance 2.1 ☐ Cert. of Compliance 2.2
☐ Inspection Cert. with Material Cert. 3.1 ☐ Inspection Cert. with Material Cert. 3.2

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Indicator/Electronic Options

1. Display Housing: ☐ Aluminum ☐ High Temperature Aluminum (660 °F) ☐ Stainless Steel
☐ High Temperature Stainless Steel (660 °F) ☐ Aluminum with Pressure Compensation
☐ High Temperature Aluminum with Pressure Compensation
2. Scale: ☐ % Scale Water ☐ Measuring Range Water ☐ % Scale Media
☐ Measuring Range Media ☐ Dual Scale (specify): _____
3. Electrical Output: ☐ without ☐ 1x Inductive Switch ☐ 2x Inductive Switches ☐ 1x Micro-switch
☐ 2x Micro-switches ☐ 4-20mA Transmitter with HART®
☐ 4-20mA Transmitter with HART® & 2x NAMUR Switches
☐ 4-20mA Transmitter with HART® & 1x NAMUR Switch & Pulse Output
☐ 4-20mA Transmitter with Profibus® PA
☐ 4-20mA Transmitter with HART® & Digital Totalizer
☐ 4-20mA Transmitter with Fieldbus® Foundation™

Special Requirements (specify in writing):
