

Application and meter selection

This questionnaire will assist us to recommend the most appropriate product for your specific application. Please answer all questions where applicable and submit this form with your enquiry.

1. **Company name** : _____
Street : _____
ZIP code + City + Country : _____
Contact person/Department : _____
Telephone/Telefax : _____
E-mail : _____
Inquiry / Ref. n° : _____
Date : _____

2. **Brief application description**

3. Operating conditions (mechanical, electrical and hydraulic considerations)

A. **Meter type**

<input type="checkbox"/> Ultrasonic :	<input type="checkbox"/> Stationary	<input type="checkbox"/> Portable
<input type="checkbox"/> Nutating disc		<input type="checkbox"/> Variable area / Rotameter
<input type="checkbox"/> Turbine		<input type="checkbox"/> Vortex
<input type="checkbox"/> Oscillating piston		<input type="checkbox"/> Differential pressure/Primary element
<input type="checkbox"/> Impeller		<input type="checkbox"/> MAG meter
<input type="checkbox"/> Coriolis		<input type="checkbox"/> Oval gear

% Accuracy: _____ Of reading Of full scale
Bi-directional: Yes No
 This is a replacement meter for an existing application. Reference: _____

B. **Power supply**

117 VAC 220 VAC 12 VDC Other: _____

C. **Communication protocol**

<input type="checkbox"/> RS232	<input type="checkbox"/> ModBus®	<input type="checkbox"/> HART
<input type="checkbox"/> RS485	<input type="checkbox"/> M-Bus	<input type="checkbox"/> None
<input type="checkbox"/> RS422	<input type="checkbox"/> Profibus	<input type="checkbox"/> Other: _____

D. **Options**

<input type="checkbox"/> Totalizer	:	<input type="checkbox"/> Resettable	<input type="checkbox"/> liter/sec	<input type="checkbox"/> liter/min	<input type="checkbox"/> m³/sec	<input type="checkbox"/> m³/h
<input type="checkbox"/> Flow indicator	:	<input type="checkbox"/> liter/sec	<input type="checkbox"/> liter/min	<input type="checkbox"/> m³/sec	<input type="checkbox"/> m³/h	
<input type="checkbox"/> Output	:	<input type="checkbox"/> Analog	<input type="checkbox"/> 4-20 mA	<input type="checkbox"/> 0-10 VDC	<input type="checkbox"/> 0-5 VDC	
<input type="checkbox"/> Pulse output	:	<input type="checkbox"/> Scaled output	<input type="checkbox"/> Unscaled output			
<input type="checkbox"/> Frequency		<input type="checkbox"/> Total				
<input type="checkbox"/> Grounding rings		<input type="checkbox"/> Grounding electrodes	<input type="checkbox"/> Relay			
<input type="checkbox"/> Reverse flow		<input type="checkbox"/> Flow switch	<input type="checkbox"/> Flow Alert	<input type="checkbox"/> Magnetic pickup		
<input type="checkbox"/> Pulse transmitter:		Pulses per liter? _____				
<input type="checkbox"/> Further options:	_____					



Badger Meter Europa
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E. **Medium**

Water Oil Gas Gas type/composition: _____ Steam
 Other: _____

Density : _____ kg/m³ Impurities : _____ Viscosity: _____ cP

Conductivity : _____ μS

Operating pressure :

a) P min.: _____ bar b) P nominal: _____ bar c) P max.: _____ bar

Operating temperature:

a) T min.: _____ °C b) T nominal: _____ °C c) T max.: _____ °C

Aggressive fluid : Yes No If yes, PH-value : _____

Abrasive fluid : Yes No Newton fluid : Yes No

Gas or air bubbles : Yes No % suspended solids/size: _____

Comments on fluid : _____

F. **Flow range**

Unit : _____ a) Q min.: _____ b) Q nominal: _____ c) Q max.: _____

G. **Flow conditions:**

Steady Pulsing

H. **Pipe details**

Line size (O.D.) : _____ mm Full pipe Schedule : _____

Pipe wall thickness: _____ mm Partially filled pipe

I. **Pipe material**

Acrylic Ductile iron PVC
 Aluminum Glass Pyrex PVDC
 Asbestos cement Nylon Stainless steel
 Brass HD Polyethylene Titanium
 Carbon steel LD Polyethylene Other: _____
 Cast iron Fibreglass Epoxy
 Copper Polypropylene

J. **Pipe liner material**

Ebonite LD Polyethylene PFE
 Motar Polypropylene No liner
 Glass Polystyrene Other: _____
 HD Polyethylene Tar epoxy

K. **Pipe orientation**

Vertical Horizontal Pipe unobstructed straight run available length: _____

L. **Flow direction**

Horizontal Up to down Down to up

M. **Site**

Indoor Outdoor
Installation : in Ex-area, protection level: _____ in safe area
Flow meter : in Ex-area, protection level: _____ in safe area
Meter + accessories : in Ex-area, protection level: _____ in safe area

N. **Process type**

Batch
 Control automatic operation manual operation constant operation
 Mix

O. **Process connection**

NPT Flange, rating: _____ BSPP Other: _____



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