



# VORTEX METER®

## Installation Details Form (IDF)

Complete both pages and email to [veris-sales@armstronginternational.com](mailto:veris-sales@armstronginternational.com)

Requested By

Name: \_\_\_\_\_ Company: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_ Date: \_\_\_\_\_

### Section 1 – Ordering Processing/Tracking Detail

Point of Order / Sold To: \_\_\_\_\_ (eg: ABC Mechanical)

City: \_\_\_\_\_ State: \_\_\_\_\_ Rep Firm: \_\_\_\_\_

Point of Installation: \_\_\_\_\_ (eg: Heinz Ketchup)

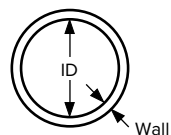
City: \_\_\_\_\_ State: \_\_\_\_\_ Rep Firm: \_\_\_\_\_

Point of Specification: \_\_\_\_\_ (eg: DEF Consulting Engineers)

City: \_\_\_\_\_ State: \_\_\_\_\_ Rep Firm: \_\_\_\_\_

Other Influence: \_\_\_\_\_ (eg: Source of Recommendation)

### Section 2 – Enter Pipe Dimensions



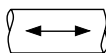
**Pipe**  
 Size \_\_\_\_\_ Sch \_\_\_\_\_  
 ID \_\_\_\_\_ Wall \_\_\_\_\_  
 Pipe Mat'l \_\_\_\_\_

### Section 3 – Pipe Orientation

(Check one box)

(H) Horizontal

(V) Vertical



### Section 4 – Flow Conditions

\*Fluid Name: \_\_\_\_\_

		Maximum	Normal	Minimum	Units
Flow Rate					
All Fluids	Pressure @ Flow				
	Temperature @ Flow				
Gas	Specific Gravity, or				
	Molecular Weight				
Liquid	Specific Gravity				
Steam	Flow Element Sizing Program can calculate Density from Temperature and Pressure				

Special Instructions: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



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## Installation Details Form (IDF)

Complete Section 5 for AVF OR Section 6 for AVI

### Section 5 – AVF Inline Vortex Meter

(\* = Required for quoting)

Process Connection:

- 150# Flange            300# Flange
- 600# Flange           600# Water
- PN16                    PN40
- PN63

Electronics:

- NEMA 4X EnclosureVortex
- Remote NEMA 4X Enclosure, 50 ft cable
- Remote NEMA 4X Enclosure, 25 ft cable

Multivariable Options:

- Volumetric
- Velocity, Temperature
- Velocity, Temperature, Pressure
- Velocity, Temperature, External Pressure
- Energy
- Energy, Pressure

Output:

- One analog, frequency, one pulse, HART, LP power only
- One analog, frequency, one alarm, one pulse, HART, DC or AC power
- One analog, frequency, one alarm, one pulse, Modbus, DC or AC power
- One analog, frequency, one alarm, one pulse, BACnet™, DC or AC power
- Three analog, frequency, three alarms, one pulse, HART, DC or AC power
- Three analog, frequency, three alarms, one pulse, Modbus, DC or AC power
- Three analog, frequency, three alarms, one pulse, BACnet™, DC or AC power

Input Power:

- 12-36VDC, 25mA, 1W max, loop powered, output option 1 only
- 12-36VDC, 300mA, 9W max, output options 2, 3, 4, 5, 6, 7
- 10-240VAC, 5W max, output options 2, 3, 4, 5, 6, 7

### Section 6 – AVI Insertion Vortex Meter

(Check one box in each category)

Process Connection:

- Compression Fitting
- Packing Gland

Retractor (optional):

- Permanent Retractor
- Removeable Retractor

Connection Type (2 inch, DN50):

- 150# Flange            300# Flange
- 600# Flange           NPT
- PN16                    PN40
- PN63

Electronics:

- NEMA 4X Enclosure
- Remote NEMA 4X Enclosure, 50 ft cable Remote NEMA 4X Enclosure, 25 ft cable

Multivariable Options:

- Volumetric
- Velocity, Temperature
- Velocity, Temperature, Pressure Velocity, Temperature, External Pressure Energy
- Energy, Pressure

Output:

- One analog, frequency, one pulse, HART, LP power only
- One analog, frequency, one alarm, one pulse, HART, DC or AC power
- One analog, frequency, one alarm, one pulse, Modbus, DC or AC power
- One analog, frequency, one alarm, one pulse, BACnet™, DC or AC power
- Three analog, frequency, three alarms, one pulse, HART, DC or AC power
- Three analog, frequency, three alarms, one pulse, Modbus, DC or AC power
- Three analog, frequency, three alarms, one pulse, BACnet™, DC or AC power

Input Power:

- 12-36VDC, 25mA, 1W max, loop powered, output option 1 only
- 12-36VDC, 300mA, 9W max, output options 2, 3, 4, 5, 6, 7
- 10-240VAC, 5W max, output options 2, 3, 4, 5, 6, 7

### Section 7 – Notes

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