

FE-1000 – A – **A1** – **A2** – **A3** – **A4** – **A5** – **A6** – **A7** – B – **B1** – **B2**

Note: Section A must be completed for pricing. Section B must be completed prior to order submission to Paragon. Accessories are listed on Page 2.

SECTION A ELEMENT CONFIGURATION

A1: Dimensions

- 1= Inches
- 2= Millimeters

A2: Duct/Pipe Configuration

- 1= Rectangular Duct
- 2= Circular Duct
- 3= Oval Duct
- 4=Pipe

A3: Element Length (Specify)

Notes:

- For pipe applications (see Section A2) consult Paragon to determine correct element length.
- For duct applications, element length is based on the duct dimensions (see the FE-1000 Element Arrangement and Application Guide in the Technical Data Sheet).
- For applications with elements being mounted upstream of dampers, elements should run perpendicular to the damper blades.
- For applications with elements being mounted on the downstream side of an elbow, elements should run perpendicular to the axis of flow and across the velocity gradient.

A4: Internal Insulation (Specify)

Notes:

- For ducts with internal insulation, specify the thickness of the insulation.
- If there is no internal insulation, input 0.

A5: Element Material Type

- 1= 6063-T5 Aluminum (Standard)
- 2= Type 316L Stainless Steel
- 3= Type 1 PVC
- 4= Hastelloy

A6: Mounting Assembly

Options for 6063-T5 Aluminum Elements

- 1= Insertion (Standard)
- 2= Internal Mount
- 3= Bayonet Tip

Options for Type 316L Stainless Steel Elements

- 4= Insertion (Standard)
- 5= Internal Mount
- 6= Bore Through 1/2 inch Connector (Elements up to 24 inches only)
- 7= 150# Flange for Stub on Both Sides

Options for Hastelloy Elements

- 8= Insertion (Standard)
- 9= 150# Flange for Stub on Both Sides

Options for Type 1 PVC Elements

- 10= Insertion (Standard)
- 11= Internal Mount
- 12= 150# Flange
- 13= 150# Flange for Stub on Both Sides

A7: Instrument Connections

Options for 6063-T5 Aluminum Elements

- 1= 1/4 Inch Compression Fittings (Standard)

Note:

- The 1/4 inch compression fittings are suitable for use with thermoplastic or copper tubing; thermoplastic tubing requires the use of tubing inserts, which are supplied with the fittings

Options for Type 316L Stainless Steel Elements

- 2= 1/8-27 Female NPT (Standard)
- 3= 3/8-18 Female NPT

Options for Hastelloy Elements

- 4= 1/8-27 Female NPT (Standard)
- 5= 3/8-18 Female NPT

Options for Type 1 PVC Elements

- 6= 1/8-27 Female NPT (Standard)

SECTION B REQUIRED PRODUCTION DATA

Note: This section is not included in the overall part number but must be completed prior to submitting an order to Paragon for proper fabrication.

B1: Tag Number

Example: AHU-1

Note:

- The tag number will be used by Paragon to determine the quantity and type of compression fittings (elbow or tee) required to manifold the elements together for each measurement point. The number of elements required is based on the duct dimensions (see the FE-1000 Element Arrangement and Application Guide in the Technical Data Sheet) or pipe size.
- For generic tagging information use AFMS-1, AFMS-2, etc.

B2: System Served

Example: SA

FE-1000 ACCESSORIES

Note: Accessories are sold separately and are not assembled with the flow sensing element.

Options for Type 316L Stainless Steel Elements

| Ordering Code | Option |
|---------------|--|
| SA1 | 1 inch-150# blind flange bored for 1/4 inch stud (Type 316 SSTL) |
| SA2 | 1 inch-150# blind flange bored for 3/8 inch stud (Type 316 SSTL) |
| SA3 | 4 inch stub out 1 inch schedule 40 pipe with 150# flange (Type 316 SSTL) |
| SA4 | Weld spud 1/2 inch NPT (Type 316 SSTL) |
| SA5 | Nuts, bolts, and lock washer; one set of (4) for 1 inch-150# pipe flange (Type 316 SSTL) |

Options for Hastelloy Elements

| Ordering Code | Option |
|---------------|--|
| HA1 | 1 inch-150# blind flange bored for 3/8 inch stud (Hastelloy C276) |
| HA2 | Nuts, bolts, and lock washer; one set of (4) for 1 inch-150# pipe flange (Hastelloy) |

Options for Type 1 PVC Elements

| Ordering Code | Option |
|---------------|---|
| PA1 | 1 1/2 inch-150# blind flange bored for 3/8 inch stud (Type 1 PVC) |