

## E200NF Series Electric Flow Indicator

### Application – Flow Indicator; WP up to 5000 psig

- Paddle operated Electric Indicator of liquid or gas flow or no flow in piping systems
- Provides Electric Switch input for control systems, alarms or other operations
- Liquid Flow indicated at 1.0 ft./sec and greater; No flow indicated at less than .75 ft./sec
- Direct mounting inside vessel or pipe

### Features and Benefits of the Pathway E200NF

- 316 SS wetted components for Durability and Corrosion Resistance
- Explosion Proof Certification by CSA to USA and Canada Standards
- Single Seal Application Approved
- Wide variety of Paddle lengths to meet most applications
- No Internal Seal used thus eliminating the possibility of process fluid leakage
- Hermetically Sealed Switch Cartridge to protect Integrity of Switch Contacts
- SPST and SPDT Switch Cartridges in Standard and Light Load Ratings
- Few Moving Parts for Reduced Maintenance and long term Performance
- Excellent Serviceability and quick replacement of Electric Switch Cartridge
- Simply Rotate the device to change flow sensing direction
- Relay Assembly in Explosion Proof enclosures for DPDT and Higher Amperage service



### Specifications

<b>Working Pressure:</b>	5000 psig; 1500 psig with manual override
<b>Temperature:</b>	-40° F to +392° F
<b>Switch Rating:</b>	<u>SPST and SPDT</u> 250V – 0.40A resistive, 120V – 0.83A resistive, 24V – 3.0A resistive; 3.0A maximum in-rush capability; 4 watts minimum for proper switching <u>SPST and SPDT Light Load</u> 150V – 0.17A resistive, 110V – 0.23A resistive, 24V – 1.0A resistive; 1.0A maximum in-rush capability; 0.1 watts minimum for switching
<b>Materials:</b>	316 Stainless Steel Wetted components; Hermetically sealed reed switch
<b>Process Connections:</b>	1½" NPT standard, 2" NPT, 2" flanged or larger
<b>Electrical Connections:</b>	½" NPT conduit
<b>Certification:</b>	CSA: Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1 to USA & Canada Standards; ( <i>rating with relay enclosure Class I, Div. 1&amp;2, Groups C,D; Class II, Div. 1, Groups E,F,G; Class II, Div. 2, Groups F,G; Class III</i> ) CSA: Single seal applications per ANSI/ISA 12.27.01-2003

### E200NF Common Options

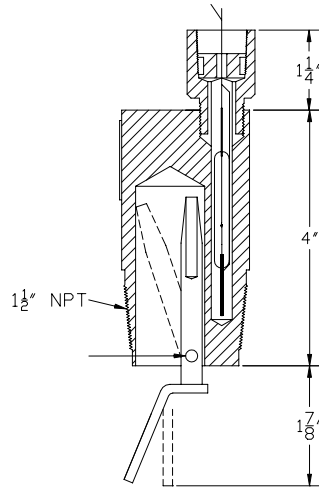
- 316 SS and 304 SS flange
- Variety of paddle lengths
- SPST extended leads
- Manual Override for Field Testing
- Relay for DPDT and Higher Amperage
- Annulus plug for use with sediments

### Benefits of ALL Pathway Control Products

- Personalized service and support expertise; Responsive, On-time Delivery
- Time-tested & proven design providing Dependable, Long-term service

## E200NF Series Electric Flow Indicator

**Dimensions:**



**Ordering Chart:**

E200NF Series: Electric Flow Indicator; WP 5000 psig standard

**Example:**

**E200NF-**

**Body Style:**

- 0 1 1/2" NPT standard body
- 1 2" NPT

**Paddle Type:**

- 1 1 1/2" standard paddle length
- 2 2" paddle length
- 3 3" paddle length
- 4 4" paddle length
- 6 6" paddle length
- 8 8" paddle length
- 0 10" paddle length
- 5 Customer Specified paddle length

**Switch selection:**

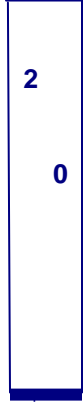
- 0 SPST Standard load
- 1 SPDT Standard load
- 2 SPST Light load
- 3 SPDT Light load

**Other:**

- 0 No other options
- 2 Annulus plug
- 3 Relay assembly general purpose plug-in, 24 VDC DPDT 12 Amp
- 4 Relay assembly general purpose plug-in, 120 VAC DPDT 12 Amp
- 7 Relay assembly general purpose plug-in, 240 VAC DPDT 12 Amp
- 8 Relay assembly hermetically sealed plug-in, 24 VDC DPDT 12 Amp
- 9 Relay assembly hermetically sealed plug-in 120 VAC DPDT 12 Amp
- 5 Customer Specified Requirements (see E200NF common options)

**Option (#)**

Assigned # for Customer Specific requirements



**E200NF - 01 - 20**

**Example as Selected**