

## P & T COMPENSATED VORTEX FLOW TRANSMITTER

### Special Features:

- Vortex Flow Meter with Pressure and Temperature Compensation
- High Accuracy with High Repeatability
- Unique Gasket Free Design Ensuring a Clog Free Process
- No Moving Parts, Reducing the Maintenance
- Works with Air, Saturated and Super heated Steam and Liquids
- Optionally available for High Pressure Applications



### Applications:

F8200 Vortex Flow Meter with new engineering innovations, consists of separate temperature and pressure sensors to monitor the changes in the real time, providing the best accuracy, even in applications to measure saturated steam. A perfect answer to almost any application, regardless of size (From 15MM to 400MM), F8200 withstands the rigors of industrial demands.

### Performance Specifications:

Media	: Steam (Saturated / Super Heated), Air, Gas, Liquids
Line Size	: 15MM to 400MM
Accuracy	: ±0.5% For Liquids ±1.0% For Gases, Steam
Repeatability	: ±0.3% For Liquids ±0.5% For Gases, Steam
Output	: 4 - 20mA, 2 Wire (Optional Pulse Output)
Power Supply	: 24VDC / Li-on 3.6V 14Ah
Media Temperature	: - 40 °C to 250 °C / Optional -40 °C to 350 °C
Ambient Temp.	: - 40 °C to 85 °C
Maximum Pressure	: 16 Bar
Sensor MOC	: AISI 304SS (Other Materials Optional)
Protection Grade	: IP65
Display	: In Built LCD Display
Units	: m <sup>3</sup> /h, m <sup>3</sup> /m, l/h, l/m, t/h, t/m, kg/h, kg/m

### Advantages of F8200:

- Separate Pressure and Temperature Sensors to monitor real time changes.
- Low Cost of Installation
- Pre Calibrated at Factory, No Field Calibration Required
- Very Low Pressure loss results in considerable energy savings
- Zero Maintenance as there are no moving or rotating parts
- True Volumetric Output is available from the Flow Indicator

## P & T COMPENSATED VORTEX FLOW TRANSMITTER

### HOW TO ORDER

<p> <b>Output:</b></p> <ul style="list-style-type: none"> <li>01 4 - 20mA</li> <li>02 4 - 20mA with HART</li> <li>03 Modbus RS485</li> </ul>	<p>F8200</p> <p>01</p>																
<p> <b>Power Supply:</b></p> <ul style="list-style-type: none"> <li>01 Li-ion 3.6V 14Ah</li> <li>02 24V DC</li> </ul>	<p>02</p>																
<p> <b>Media Temperature:</b></p> <ul style="list-style-type: none"> <li>01 -40 ~ 100°C (-40 ~ 250°C for steam)</li> <li>02 -40 ~ 350°C</li> </ul>	<p>01</p>																
<p> <b>Accuracy:</b></p> <ul style="list-style-type: none"> <li>01 ±1.0% of F.S</li> <li>02 ±1.5% of F.S</li> </ul>	<p>01</p>																
<p> <b>Connection Type:</b></p> <ul style="list-style-type: none"> <li>01 Wafer Type</li> <li>02 Flange Type</li> </ul>	<p>01</p>																
<p> <b>Aperture Size (Line Size):</b></p> <table border="0" style="width: 100%;"> <tr> <td>015 1/2 Inch</td> <td>100 4 Inch</td> </tr> <tr> <td>020 3/4 Inch</td> <td>125 5 Inch</td> </tr> <tr> <td>025 1 Inch</td> <td>150 6 Inch</td> </tr> <tr> <td>032 1 1/4 Inch</td> <td>200 8 Inch</td> </tr> <tr> <td>040 1 1/2 Inch</td> <td>250 10 Inch</td> </tr> <tr> <td>050 2 Inch</td> <td>300 12 Inch</td> </tr> <tr> <td>065 2 1/2 Inch</td> <td>350 14 Inch</td> </tr> <tr> <td>080 3 Inch</td> <td>400 16 Inch</td> </tr> </table>	015 1/2 Inch	100 4 Inch	020 3/4 Inch	125 5 Inch	025 1 Inch	150 6 Inch	032 1 1/4 Inch	200 8 Inch	040 1 1/2 Inch	250 10 Inch	050 2 Inch	300 12 Inch	065 2 1/2 Inch	350 14 Inch	080 3 Inch	400 16 Inch	<p>100</p>
015 1/2 Inch	100 4 Inch																
020 3/4 Inch	125 5 Inch																
025 1 Inch	150 6 Inch																
032 1 1/4 Inch	200 8 Inch																
040 1 1/2 Inch	250 10 Inch																
050 2 Inch	300 12 Inch																
065 2 1/2 Inch	350 14 Inch																
080 3 Inch	400 16 Inch																

Ordering Example : F8200-01-02-01-01-01-100