

PFS Wedge-X Flow Meter (WX)

Brand: Primary Flow Signal



Short Description

4.00% Uncalibrated Uncertainty Integral Manifold, Replaceable Wedge Line Size: 2 inches Head Loss % of Differential: 25 to 60 percent Recommended Pipe Reynolds Number: Must be greater than 5000 for basic accuracy

Description

The Wedge-X flow meter design is derived from the standard wedge flow meter, but allows for a direct coupled differential pressure transmitter, and a replaceable wedge which results in a compact and cost-effective unit that virtually eliminates both gauge line induced and plugged tap related measurement errors. The replaceable wedge feature is an extremely fast and cost-effective way of addressing situations like erosion of the wedge. A wedge can also be replaced with a different size to increase or decrease dP as needed. The wedge flow meter is intended for high-density, slurry type, or contaminated line fluid applications, including difficult-to-meter, air entrained liquids. WedgeX meters can be customized to measure fluids over a large range of pressures and Reynolds numbers; making them ideal for many applications, including shale gas extraction.