



FLOW

# Segmental Wedge Differential Pressure Flow Meter

## Tek-DP 1670A



### 1 FEATURES

- $\pm 0.5\%$  calibrated accuracy.
- Robust design provides long-term accuracy.
- Low permanent pressure loss resulting in energy savings.
- No sharp edge to wear.
- Handles slurries and high solids content.
- Capable of bi-directional flow.
- Reliable and high performance down to Reynolds Number 500 (Viscous Fluids).
- Large potential flow range.
- Minimum upstream/downstream straight pipe needed.
- Handles non-ideal installations.

### 3 APPLICATIONS

- Mining
- Industrial Fluids
- Petrochemical
- Oil and Gas
- Chemical
- Pulp and Paper

### CONTACT US

📍 796 Tek Drive, Crystal Lake, IL 60014 USA

☎ +1 847-857-6076

✉ Email: [tektrol@tek-trol.com](mailto:tektrol@tek-trol.com)

🌐 [www.tek-trol.com](http://www.tek-trol.com)

### 2 SPECIFICATION

<b>Accuracy</b>	$\pm 0.5\%$ of the coefficient of discharge accuracy over calibrated Reynolds Number. (Wet calibration at approved laboratory) $\pm 5.0\%$ of actual flow rate (dry calibration based on geometry only)
<b>Repeatability</b>	$\pm 0.2\%$
<b>Line Size</b>	1" to 24" Nominal Diameter
<b>End Connections</b>	Flange ends, weld end, slip-on, RTJ joint, butt end
<b>Fluid Capability</b>	Gas or Liquid - Pipe running full
<b>Temperature</b>	Dependent upon wetted material and gasket materials being used
<b>Pressure</b>	Maximum working pressure is per ANSI B16.5 Standards
<b>Material</b>	Carbon Steel, 316 SS, 316L SS, 304 SS, Super Duplex Steel, Hastelloy and Monel
<b>Pipe Reynolds Number (ReD) Capability</b>	Relatively low pipe Reynolds Numbers can be addressed with fair accuracy, the discharge coefficient being generally stable through the confirmed application ranges, Bi-directional usage is permitted using applicable pressure / differential pressure transmitters
<b>Standards</b>	ASME B31.1 and B31.3