

CPA 55E/65E Flow Conditioners

For 2014, CPA is proud to announce the CPA 55E and 65E Flow Conditioners. These new devices use an innovative element profile that was designed with proper fluid dynamics in mind. This design helps give a lower pressure drop as well as lower turbulence and noise generation, while increasing swirl elimination capability over competing flow conditioners.

CPA 65E Features

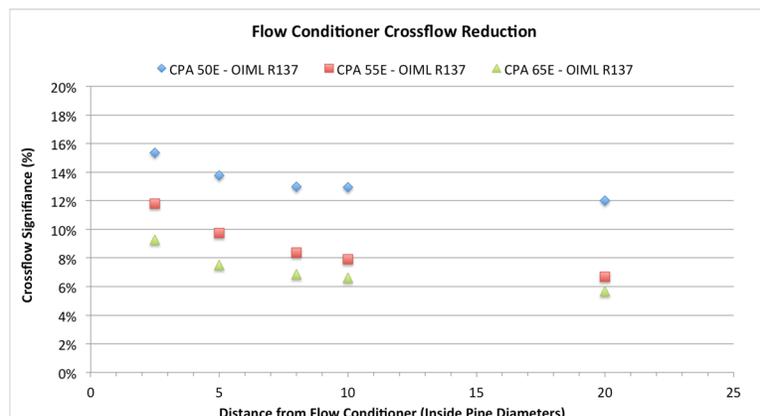
- Optimized for liquid applications and scenarios where minimal pressure loss is critical.
- Half the pressure drop of typical plate style flow conditioners!
- Designed for Gas/Liquid Ultrasonic, Turbine and Coriolis applications (not recommended for critical dP applications).
- Increased swirl and cross flow elimination; swirl remaining after the CPA 50E is reduced by half!
- Innovative stepped design was optimized using fluid dynamic fundamentals; lower amounts of turbulence are generated and noise levels are up to 30 dB lower than the CPA 50E.
- Recommended for 5D/5D meter run configurations.
- **Recommended for less severe measurement scenarios where pressure drop is a significant concern.**



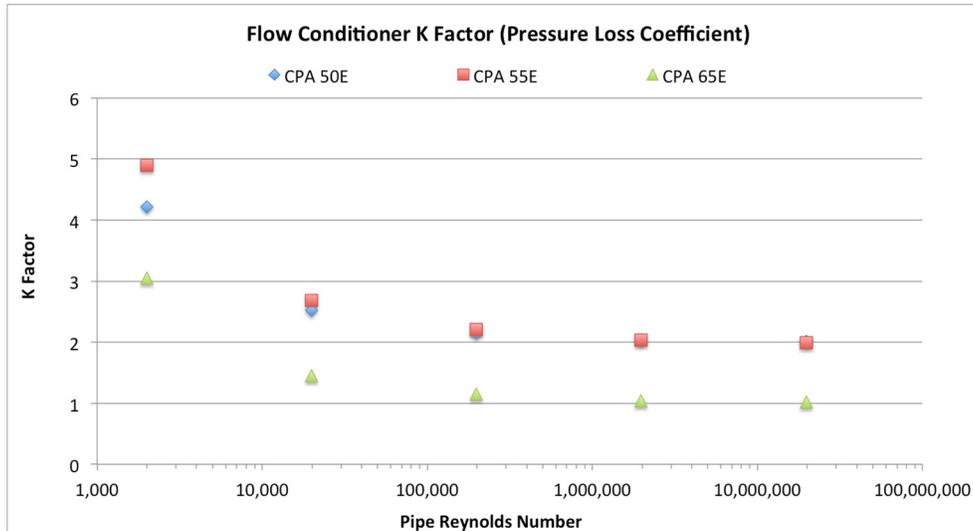
CPA 55E Features

- Optimized for gas applications.
- Similar pressure drop to CPA 50E to maintain flow profile aggressiveness.
- Designed for Gas Ultrasonic, Turbine and Orifice applications.
- Increased swirl and cross flow elimination.
- Innovative stepped design was optimized using fluid dynamic fundamentals; lower amounts of turbulence are generated and noise levels are up to 30 dB lower than the CPA 50E.
- Recommended for 5D/5D meter run configurations for ultrasonic and turbine applications
- Recommended for 13D orifice configurations (5D UL1, 8D UL2).
- **Recommended for more severe measurement scenarios where meter performance and meter run length are more critical than the flow conditioner pressure drop.**

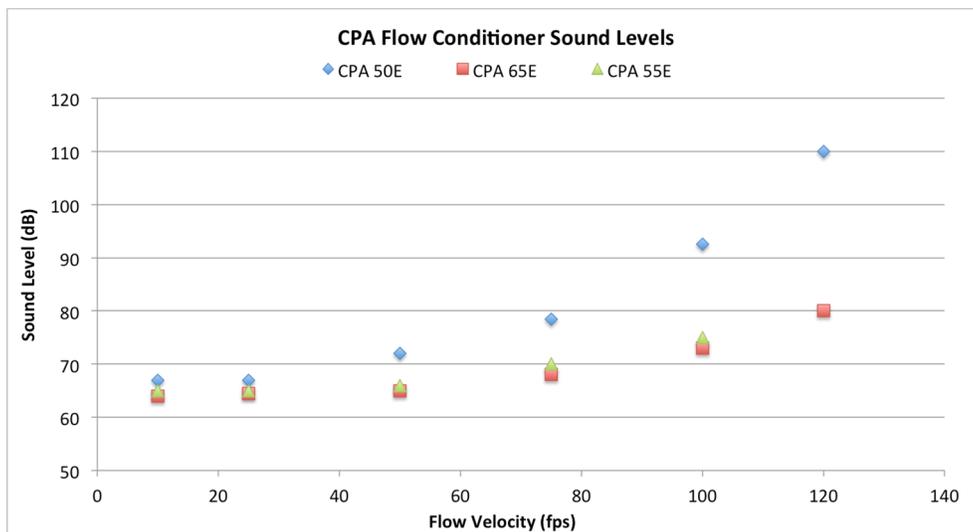
CPA Flow Conditioner Swirl Removal



CPA Flow Conditioner Pressure Drop Behavior



CPA Flow Conditioner Sound Intensity Levels



Sizes and Availability

- Available in a range of sizes, from NPS 2" to NPS 36".
- Wide range of material options: Nickel Surfaced Carbon Steel, 304 Stainless Steel, 316 Stainless Steel, Inconel, Monel, Duplex, Hastalloy.
- Available in TBR (pinned), FOE (ANSI Raised Face Flanged), RTJ (ANSI Ring Type Joint Male/Female), WIO (Weld In Option).
- Beta opportunities are available; please contact CPA for more information!

Patent Pending