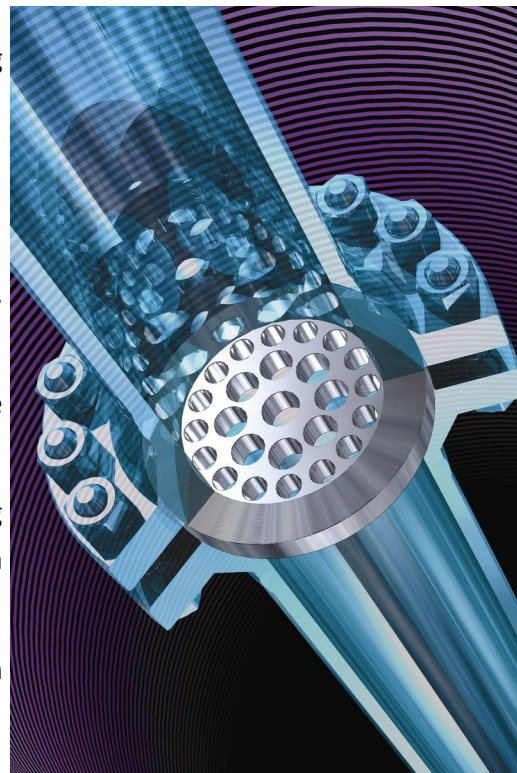


CPA 50E | Flow Conditioner Quick Specifications

- The CPA50E flow conditioner is applicable for all gas & liquid volumetric metering applications: Orifice, Ultrasonic, Venturi, Vortex, Turbine, Cone, etc.
- Eliminates swirl and provides a fully developed velocity flow profile.
- All verification tests were done in independent high pressure gas testing facilities and low Re liquids testing facilities.
- Stocked in sizes 2" to 20", 316SS NACE MR0175
- Can custom manufacture for 3/8" to 48" pipe sizes.
- Available in Carbon Steel, Nickel Coated Carbon Steel, 316SS, 304SS, Aluminum, Hastelloy, Duplex, Monel, Inconel, Titanium, etc.
- Stocked for Raised Face (RF) installations, but can be ordered for Ring Type Joint (RTJ) flanges, pinned, weld in and insertion installations.
- Can be ordered with lifting tabs with ANSI specific bolt patterns, allowing the flow conditioner to easily be installed, centered and removed from a flange using the flange bolts.
- Material quality reports are included with the CPA50E and are available in our online database.
- Detailed pressure drop calculations are available for all fluid applications using the process conditions for your specific scenario.
- AGA 3 (2000) compliant up to a beta ratio of 0.75, CPA recommends a 17D meter run length.
- Comprehensive product and technical support from CPA's engineers.



CPA 13D Meter Run

The CPA 50E can be used in meter run lengths down to a minimum of 13D (5D upstream of the flow conditioner, and 8D downstream). At 13D the CPA 50E generates a fully developed flow profile that falls within the ISO 5167 definition of fully developed pipe flow with minimal swirl. Please contact CPA for more information on using the CPA 50E in a 13D configuration.

WARNING: Recommended meter run lengths cannot replace flow measurement guidelines or standards. There are other requirements for a compliant meter run and the standards must be carefully considered. It is essential that your customers approve of your chosen meter run dimensions prior to construction. Canada Pipeline Accessories Co. LTD will not be held responsible for disapproval of meter run dimensions as recommended lengths are minimum distances.

Canada Pipeline Accessories 1-888-349-3569 | www.flowconditioner.com

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