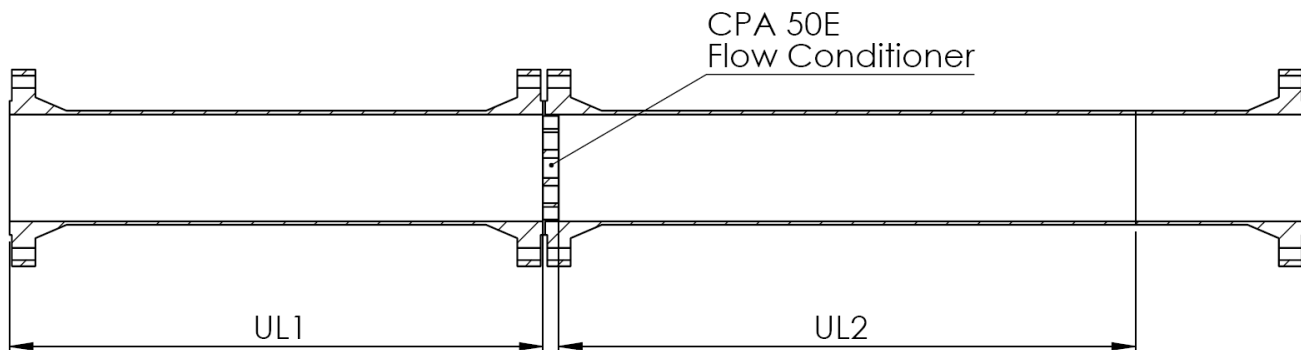


CPA 50E Flow Meter Installation Recommendations

Dimensions are minimums; any combination of UL1 & UL2 longer than listed is acceptable. For more information or to discuss meter run lengths, please phone CPA!

- CPA's minimum recommended meter run length is 13 internal pipe diameters.
- This is applicable to all flow meters (orifice, turbine, ultrasonic, vortex, annubar, venturi) as it was determined independently of any specific meter type. The CPA 50E is highly effective for any device that is dependent on a fully developed flow profile.



- For UL1, CPA recommends a minimum of 5 internal diameters of uninterrupted straight pipe as measured from the upstream face of the CPA 50E.
- For UL2, CPA recommends a minimum of 8 internal diameters of uninterrupted straight pipe from the downstream face of the CPA 50E to the flow meter in question.
- For orifice meters, UL2 is measured to the upstream face of the orifice plate.
- For turbine, ultrasonic or any other flanged meters, UL2 is measured to the flange connection at the flow meter inlet.
- For venturi meters, UL2 is measured to the flange connection at the inlet or to the venturi flow element inlet for weld-in scenarios.
- These are recommended minimums, longer dimensions are acceptable.

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.