

How to Measure the Optimal Length of a CAV or PCAV Sample Tube

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Before placing an order for a CAV or a PCAV sample tube there is an important length measurement that should be added to the catalog number in place of the "XXX" that is initially shown. It represents the length of the sample tube from its bottom to the top of the spinner (mm), once the depth has been set. Please refer to the diagram. Typical lengths can be 135, 150 or 170mm. Your measurement may vary depending upon your particular probe, so it is best to take the measurement, in mm. It is easy to do.

Why use this measurement?

This will put the mass of the valve close to the top of the spinner, keeping the center of gravity low. Excessive tube length, with the valve high above the spinner, will cause it to wobble when loading and ejecting the sample. This could result in a broken tube and/or probe damage. The optimal length will also make general handling easier and safer.

If you need further assistance, please feel free to contact us at cs@newera-spectro.com or at 1-800-821-4667.

