

← *Extended Ranges* →

Based on the expanding needs of users of Streamline™ Flow Transfer Standards, Chinook Engineering is pleased to extend the calibrated range of your flow meters. The Streamline Flow Transfer Standards were originally designed to measure flow rates for new generation 16.7 liters/minute particulate air samplers and TEOMs, and were provided with calibrations of 12-20 and 1-4 liters/minute, respectively.

Calibrations performed after December 1, 1999 cover 5-20, and 0.5-6 liters/minute for the white and black units, respectively. Adapters are available which allow connection of your Streamlines to virtually any air monitoring instruments and other flow dependent devices.

Your Streamline™ Flow Transfer Standards can be modified to meet changing flow rate measurements. For example, your white FTS can be modified to accurately measure air flow through the range of 5 – 30 liters/minute. Other modifications and calibration ranges are possible. Contact Chinook Engineering with your specific needs.

The expanded ranges can change your manometry requirements. Following is a table that approximates the pressure drops you will experience through the extended ranges. Actual readings depend on local conditions and your specific Streamline.

Flow Rate (Liters/minute)	Black Streamline 0.5 – 5 lpm ΔP ("H2O)	White Streamline 5 – 20 lpm ΔP ("H2O)	Modified Streamline 5-30 lpm ΔP ("H2O)
0.5	0.25"		
3	5"		
5	13"	0.6"	0.2"
6	18"	0.9"	0.3"
13.7		5"	1.5"
16.7		8"	4"
20		9"	6"
22			7"
25			9"
30			13"

Patented Streamline flow measurement technology can be designed and adapted to virtually any gas flow measurement application. Streamline technology shines best when the temperature is changing, because the Streamline does not. If you have specialized needs for reliable, accurate flow measurements, please contact us.