



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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CALIBRATION LABORATORIES

NVLAP LAB CODE 200668-0

NVLAP Code: 20/A01 ANSI/NCSL Z540-1-1994; Part 1 Compliant

MECHANICAL

NVLAP Code: 20/M05
Flow Rate

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
0.005 gpm to 10 gpm ^{note 2} 0.019 lpm to 37.9 lpm ^{note 3}	0.041 %	Flow of Liquid Hydrocarbons Piston Prover
0.25 gpm to 1500 gpm 0.95 lpm to 5678 lpm	0.025 %	Flow of Liquid Hydrocarbons Piston Prover
0.03 gpm to 30 gpm 0.11 lpm to 114 lpm	0.05 %	Flow of Water Piston Prover
0.5 gpm to 400 gpm 1.9 lpm to 1514 lpm	0.15 %	Flow of Water Turbine Meter Transfer Standard
0.000035 scfm to 1000 scfm ^{note 4} 0.001 slpm to 28 317 slpm ^{note 5}	0.2 %	Flow of Air Bell/Piston Provers

2009-10-01 through 2010-09-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



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0.001 scfm to 3500 scfm 0.028 slpm to 99 109 slpm	0.25 %	Sonic Nozzle Transfer Standard
0.000035 scfm to 200 scfm 0.001 slpm to 5663 slpm	0.2 %	Flow of Inert Gasses Bell/Piston Provers
0.1 scfm to 400 scfm 2.83 slpm to 11 327 slpm	0.35 %	Sonic Nozzle Transfer Standard

1. Represents an expanded uncertainty using a coverage factor, $k = 2$, at an approximate level of confidence of 95 %.
2. US Gallons per minute.
3. Liters per minute, may also be expressed as cubic decimeters per minute.
4. Standard cubic feet per minute at standard conditions of 14.7 psia (101 353 pascals) and 70 °F (21.1 °C).
5. Standard liters per minute at standard conditions of 14.7 psia (101 353 pascals) and 70 °F (21.1 °C).

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