

Flow Dynamics, Inc. is an ISO 9002 registered company for the calibration, certification and testing of gas and liquid flow measurement devices.

CALIBRATION REPORT

Customer Name: _____
 Customer PO No: 26536-RIX
 Meter Type: Nozzle
 Fluid Type: Air

Report No. : 10505-1
 Cal Date: 08-17-2001
 Serial #: NA
 Model #: 2" ASME

STP: 60 Deg. F, 1 Atm.

| # | Inlet Pres: PSIA | Delta P In H2O | Inlet Temp: Deg. F | Std Flow SCFM (60F) | Reynolds Pipe | Disch Coef: Cd |
|---|---------------------|-------------------|-----------------------|------------------------|------------------|-------------------|
| 1 | 28.926 | 31.6409 | 89.413 | 139.444 | 112409.3 | 0.95163 |
| 2 | 33.701 | 38.1929 | 89.554 | 165.591 | 133399.2 | 0.95390 |
| 3 | 39.286 | 45.3354 | 89.648 | 194.926 | 156918.9 | 0.95506 |
| 4 | 46.021 | 53.5877 | 89.657 | 229.456 | 184571.5 | 0.95561 |
| 5 | 54.332 | 63.5045 | 89.105 | 271.557 | 218388.5 | 0.95575 |
| 6 | 58.807 | 68.7539 | 89.758 | 293.883 | 235960.6 | 0.95604 |
| 7 | 68.250 | 79.8627 | 88.649 | 341.801 | 274503.2 | 0.95672 |
| 8 | 76.514 | 89.4192 | 86.363 | 383.664 | 308790.9 | 0.95651 |
| 9 | 79.650 | 93.8240 | 87.187 | 400.544 | 321746.7 | 0.95638 |
| 0 | 84.118 | 98.6941 | 87.899 | 422.113 | 338435.7 | 0.95675 |

The instrument referenced above was calibrated using standards traceable to the National Institute of Standards and Technology. Evidence of traceability is on file at our laboratory and is available upon request. The volumetric flow rates reported are within an uncertainty of 0.25% of reading.

Calibration Procedure used: FDP-001.

Flow Dynamics, Inc. calibration services comply with MIL-STD-45662A, ANSI Z540-1-1994, ISO GUIDE 25 and ISO 9002:1994.

ANY REPRODUCTION OR REPRESENTATION OF THIS DATA, EXCEPT IN FULL, MUST NOT INCLUDE ANY CLAIM OF COMPLIANCE WITH THE ABOVE MENTIONED STANDARDS.

Calibrated by: *R. N...*
 Certified by: *[Signature]*
 Date: 8/17/01

Equipment No: FDI-100
 Calibrated: 02/06/01
 Recal due: 02/06/02