



**MATHESON**

ask...The Gas Professionals™

**MATHESON**

166 Keystone Drive  
 Montgomeryville, PA 18936  
 +1 (800) 828-4313  
[www.mathesongas.com](http://www.mathesongas.com)

|                |                 |                  |                       |
|----------------|-----------------|------------------|-----------------------|
| UNITS          | : SLPM NITROGEN | DATE             | : 12-01-83            |
| TUBE NUMBER    | : #6 (E606)     | STD CONDITIONS   | : 1 ATMOS. & 70 DEG F |
| SERIAL NUMBER  | : TYPICAL       | GAS TEMPERATURE  | : 70 DEG F            |
| FLOAT MATERIAL | : 316 ST. STL.  | PRESSURE IN TUBE | : 50 PSIG             |

E603NI50.DAT

| SCALE<br>READING | FLOW<br>RATE | SCALE<br>READING | FLOW<br>RATE | SCALE<br>READING | FLOW<br>RATE | SCALE<br>READING | FLOW<br>RATE |
|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|
| 150.0            | 16.5999      | 110.0            | 12.2060      | 70.0             | 7.4250       | 30.0             | 2.8611       |
| 149.0            | 16.5008      | 109.0            | 12.0882      | 69.0             | 7.3062       | 29.0             | 2.7538       |
| 148.0            | 16.4009      | 108.0            | 11.9703      | 68.0             | 7.1875       | 28.0             | 2.6468       |
| 147.0            | 16.3004      | 107.0            | 11.8521      | 67.0             | 7.0689       | 27.0             | 2.5403       |
| 146.0            | 16.1992      | 106.0            | 11.7338      | 66.0             | 6.9506       | 26.0             | 2.4341       |
| 145.0            | 16.0973      | 105.0            | 11.6152      | 65.0             | 6.8324       | 25.0             | 2.3284       |
| 144.0            | 15.9947      | 104.0            | 11.4965      | 64.0             | 6.7144       | 24.0             | 2.2231       |
| 143.0            | 15.8915      | 103.0            | 11.3776      | 63.0             | 6.5966       | 23.0             | 2.1182       |
| 142.0            | 15.7876      | 102.0            | 11.2586      | 62.0             | 6.4790       | 22.0             | 2.0138       |
| 141.0            | 15.6832      | 101.0            | 11.1394      | 61.0             | 6.3616       | 21.0             | 1.9098       |
| 140.0            | 15.5781      | 100.0            | 11.0201      | 60.0             | 6.2444       | 20.0             | 1.8063       |
| 139.0            | 15.4724      | 99.0             | 10.9006      | 59.0             | 6.1274       | 19.0             | 1.7032       |
| 138.0            | 15.3662      | 98.0             | 10.7811      | 58.0             | 6.0107       | 18.0             | 1.6005       |
| 137.0            | 15.2593      | 97.0             | 10.6614      | 57.0             | 5.8942       | 17.0             | 1.4983       |
| 136.0            | 15.1520      | 96.0             | 10.5416      | 56.0             | 5.7779       | 16.0             | 1.3966       |
| 135.0            | 15.0440      | 95.0             | 10.4218      | 55.0             | 5.6619       | 15.0             | 1.2953       |
| 134.0            | 14.9356      | 94.0             | 10.3018      | 54.0             | 5.5462       | 14.0             | 1.1945       |
| 133.0            | 14.8266      | 93.0             | 10.1818      | 53.0             | 5.4307       | 13.0             | 1.0941       |
| 132.0            | 14.7171      | 92.0             | 10.0618      | 52.0             | 5.3154       | 12.0             | 0.9942       |
| 131.0            | 14.6072      | 91.0             | 9.9417       | 51.0             | 5.2005       | 11.0             | 0.8948       |
| 130.0            | 14.4967      | 90.0             | 9.8215       | 50.0             | 5.0858       | 10.0             | 0.7959       |
| 129.0            | 14.3858      | 89.0             | 9.7014       | 49.0             | 4.9714       | 9.0              | 0.6975       |
| 128.0            | 14.2744      | 88.0             | 9.5812       | 48.0             | 4.8574       | 8.0              | 0.5995       |
| 127.0            | 14.1626      | 87.0             | 9.4610       | 47.0             | 4.7436       | 7.0              | 0.5021       |
| 126.0            | 14.0504      | 86.0             | 9.3408       | 46.0             | 4.6301       | 6.0              | 0.4051       |
| 125.0            | 13.9377      | 85.0             | 9.2206       | 45.0             | 4.5169       | 5.0              | 0.3086       |
| 124.0            | 13.8247      | 84.0             | 9.1004       | 44.0             | 4.4041       |                  |              |
| 123.0            | 13.7112      | 83.0             | 8.9803       | 43.0             | 4.2916       |                  |              |
| 122.0            | 13.5974      | 82.0             | 8.8602       | 42.0             | 4.1794       |                  |              |
| 121.0            | 13.4832      | 81.0             | 8.7402       | 41.0             | 4.0676       |                  |              |
| 120.0            | 13.3686      | 80.0             | 8.6202       | 40.0             | 3.9561       |                  |              |
| 119.0            | 13.2537      | 79.0             | 8.5002       | 39.0             | 3.8449       |                  |              |
| 118.0            | 13.1385      | 78.0             | 8.3804       | 38.0             | 3.7341       |                  |              |
| 117.0            | 13.0229      | 77.0             | 8.2606       | 37.0             | 3.6237       |                  |              |
| 116.0            | 12.9071      | 76.0             | 8.1409       | 36.0             | 3.5136       |                  |              |
| 115.0            | 12.7909      | 75.0             | 8.0213       | 35.0             | 3.4039       |                  |              |
| 114.0            | 12.6744      | 74.0             | 7.9018       | 34.0             | 3.2946       |                  |              |
| 113.0            | 12.5577      | 73.0             | 7.7824       | 33.0             | 3.1856       |                  |              |
| 112.0            | 12.4407      | 72.0             | 7.6631       | 32.0             | 3.0771       |                  |              |
| 111.0            | 12.3235      | 71.0             | 7.5440       | 31.0             | 2.9689       |                  |              |