

file name:94100366

sized:11/28/1994

meter identification: 94100366 tag:
application customer: ARGONNE LABS.
V-Cone model number: V000A -AL

fluid: Water/water

comments: _____

fluid boiling point: 671.800 R

Operating Conditions:

temperature: 75.000 F
pressure: 150.000 psig
fluid mass: 62.098#/ft3
viscosity: 0.834 cP
Z-factor: 0.003

CERTIFIED: JAM

Meter Specifications:

inside diameter: 0.438in
cone diameter: 0.371in
beta ratio: 0.5315
Fa: 1.0001

curndown: 10.0tol Cf: 0.8280
- Cf is linear to flowrate -

| FLOWRATE (GPM) | DIFF-PRESS (inWC) | VELOCITY (f/s) | REYNOLDS NUMBER | COEFFICIENT OF FLOW |
|---------------------|------------------------|---------------------|--------------------|------------------------|
| 1.9998 | 56.548 | 4.26 | 17195. | 0.82800 |
| 1.7254 | 42.093 | 3.67 | 14836. | 0.82800 |
| 1.5980 | 36.106 | 3.40 | 13740. | 0.82800 |
| 1.4929 | 31.512 | 3.18 | 12836. | 0.82800 |
| 1.3981 | 27.639 | 2.98 | 12021. | 0.82800 |
| 1.3090 | 24.226 | 2.79 | 11255. | 0.82800 |
| 1.2228 | 21.141 | 2.60 | 10514. | 0.82800 |
| 1.1378 | 18.304 | 2.42 | 9783.2 | 0.82800 |
| 1.0525 | 15.664 | 2.24 | 9050.1 | 0.82800 |
| 0.96564 | 13.184 | 2.06 | 8302.8 | 0.82800 |
| 0.87553 | 10.838 | 1.86 | 7528.0 | 0.82800 |
| 0.78023 | 8.6073 | 1.66 | 6708.6 | 0.82800 |
| 0.67675 | 6.4756 | 1.44 | 5818.9 | 0.82800 |
| 0.55981 | 4.4310 | 1.19 | 4813.4 | 0.82800 |
| 0.41743 | 2.4637 | 0.889 | 3589.2 | 0.82800 |
| 0.19998 | 0.56543 | 0.426 | 1719.4 | 0.82800 |

sized by C. J. Parker, 11/29/94 approval: _____