

file name:94100155

sized:11/30/1994

meter identification: 94100155 tag:
 application customer: ARGONNE LABS
 V-Cone model number: V000B-4L

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: <u>JAM</u>

Meter Specifications:

inside diameter: 0.656in
 cone diameter: 0.419in
 beta ratio: 0.7694
 Fa: 1.0001

turndown: 10.0tol Cf: 0.7910

- Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
10.000	49.495	9.49	57409.	0.79100
8.6278	36.843	8.19	49531.	0.79100
7.9906	31.603	7.58	45874.	0.79100
7.4650	27.582	7.08	42856.	0.79100
6.9912	24.192	6.64	40136.	0.79100
6.5454	21.205	6.21	37577.	0.79100
6.1145	18.505	5.80	35103.	0.79100
5.6895	16.022	5.40	32663.	0.79100
5.2631	13.710	5.00	30215.	0.79100
4.8285	11.540	4.58	27720.	0.79100
4.3780	9.4867	4.16	25134.	0.79100
3.9015	7.5339	3.70	22398.	0.79100
3.3840	5.6680	3.21	19427.	0.79100
2.7993	3.8784	2.66	16070.	0.79100
2.0873	2.1564	1.98	11983.	0.79100
0.99996	0.49491	0.949	5740.7	0.79100

sized by: Cecilia J. Fisher, 11/30/94, approval: _____