

file name:94100147

sized:11/30/1994

meter identification: 94100147 tag:
 application customer: ARGONNE LABS
 V-Cone model number: V000B -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: <u>JAM</u>

Meter Specifications:

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

rounddown: 10.0 to 1 Cf: 0.7660
 Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
10.000	52.779	9.49	57409.	0.76600
8.6278	39.288	8.19	49531.	0.76600
7.9906	33.699	7.58	45874.	0.76600
7.4650	29.411	7.08	42856.	0.76600
6.9912	25.796	6.64	40136.	0.76600
6.5454	22.612	6.21	37577.	0.76600
6.1145	19.732	5.80	35103.	0.76600
5.6895	17.085	5.40	32663.	0.76600
5.2631	14.620	5.00	30215.	0.76600
4.8285	12.305	4.58	27720.	0.76600
4.3780	10.116	4.16	25134.	0.76600
3.9015	8.0337	3.70	22398.	0.76600
3.3840	6.0440	3.21	19427.	0.76600
2.7993	4.1357	2.66	16070.	0.76600
2.0873	2.2995	1.98	11983.	0.76600
0.99996	0.52774	0.949	5740.7	0.76600

sized by: Cowley Parker, 11/30/94, approval: _____