

file name:94100153

sized:11/30/1994

meter identification: 94100153 tag:
 application customer: ARGONNE LABS
 V-Cone model number: V000B-44

fluid: Water/water
 fluid boiling point: 671.800 R

comments: _____

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>Jan</u>

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

turndown: 10.0to1 Cf: 0.7760
 - Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
10.000	51.427	9.49	57409.	0.77600
8.6278	38.282	8.19	49531.	0.77600
7.9906	32.836	7.58	45874.	0.77600
7.4650	28.658	7.08	42856.	0.77600
6.9912	25.136	6.64	40136.	0.77600
6.5454	22.033	6.21	37577.	0.77600
6.1145	19.227	5.80	35103.	0.77600
5.6895	16.647	5.40	32663.	0.77600
5.2631	14.246	5.00	30215.	0.77600
4.8285	11.990	4.58	27720.	0.77600
4.3780	9.8569	4.16	25134.	0.77600
3.9015	7.8279	3.70	22398.	0.77600
3.3840	5.8893	3.21	19427.	0.77600
2.7993	4.0298	2.66	16070.	0.77600
2.0873	2.2406	1.98	11983.	0.77600
0.99996	0.51423	0.949	5740.7	0.77600

sized by: Cowley-farker, 11/30/94, approval: _____, _____