

file name: 94100152

sized: 11/30/1994

meter identification: 94100152 tag:
 application customer: ARGONNE LABS
 V-Cone model number: V000B-AZ

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: 0.7790

- Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
10.000	51.032	9.49	57409.	0.77900
8.6278	37.987	8.19	49531.	0.77900
7.9906	32.584	7.58	45874.	0.77900
7.4650	28.438	7.08	42856.	0.77900
6.9912	24.943	6.64	40136.	0.77900
6.5454	21.863	6.21	37577.	0.77900
6.1145	19.079	5.80	35103.	0.77900
5.6895	16.519	5.40	32663.	0.77900
5.2631	14.136	5.00	30215.	0.77900
4.8285	11.898	4.58	27720.	0.77900
4.3780	9.7812	4.16	25134.	0.77900
3.9015	7.7678	3.70	22398.	0.77900
3.3840	5.8440	3.21	19427.	0.77900
2.7993	3.9988	2.66	16070.	0.77900
2.0873	2.2234	1.98	11983.	0.77900
0.99996	0.51028	0.949	5740.7	0.77900

sized by: *Analyst/aker*, 11/30/94, approval: _____