

file name: 94100115

sized: 10/28/1994

meter identification: 94100115 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: 0.468in
 beta ratio: 0.7007
 Fa: 1.0001

turndown: 10.0 to 1 Cf: 0.7950
 - Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
7.9999	53.261	7.59	45926.	0.79500
6.9021	39.647	6.55	39624.	0.79500
6.3924	34.008	6.07	36698.	0.79500
5.9719	29.680	5.67	34284.	0.79500
5.5928	26.032	5.31	32108.	0.79500
5.2362	22.818	4.97	30061.	0.79500
4.8915	19.913	4.64	28082.	0.79500
4.5515	17.241	4.32	26130.	0.79500
4.2104	14.754	4.00	24172.	0.79500
3.8628	12.418	3.67	22176.	0.79500
3.5023	10.208	3.32	20107.	0.79500
3.1211	8.1071	2.96	17918.	0.79500
2.7072	6.0993	2.57	15542.	0.79500
2.2394	4.1735	2.13	12856.	0.79500
1.6698	2.3205	1.58	9586.2	0.79500
0.79995	0.53257	0.759	4592.5	0.79500

sized by: Curtis Parker, 10/28/94, approval: _____