

file name:94100119

sized:10/28/1994

meter identification: 94100119 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: JAM

Meter Specifications:

inside diameter: 0.656in
 cone diameter: 0.468in
 beta ratio: 0.7007
 Fa: 1.0001

curndown: 10.0tol Cf: 0.8130
 - Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
7.9999	50.929	7.59	45926.	0.81300
6.9021	37.911	6.55	39624.	0.81300
6.3924	32.518	6.07	36698.	0.81300
5.9719	28.381	5.67	34284.	0.81300
5.5928	24.892	5.31	32108.	0.81300
5.2362	21.819	4.97	30061.	0.81300
4.8915	19.041	4.64	28082.	0.81300
4.5515	16.486	4.32	26130.	0.81300
4.2104	14.108	4.00	24172.	0.81300
3.8628	11.874	3.67	22176.	0.81300
3.5023	9.7615	3.32	20107.	0.81300
3.1211	7.7521	2.96	17918.	0.81300
2.7072	5.8322	2.57	15542.	0.81300
2.2394	3.9908	2.13	12856.	0.81300
1.6698	2.2189	1.58	9586.2	0.81300
0.79995	0.50925	0.759	4592.5	0.81300

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