

file name: 94100231

sized: 11/11/1994

meter identification: 94100231 tag:
 application customer: ARGONNE LABS
 V-Cone model number: V000A -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>JAA</u> _____ _____

Meter Specifications:

inside diameter: 0.438in
 cone diameter: 0.299in
 beta ratio: 0.7307
 Fa: 1.0001

burndown: 10.0to1 Cf: 0.7340
 - Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
4.0001	62.614	8.52	34394.	0.73400
3.4512	46.609	7.35	29675.	0.73400
3.1964	39.979	6.80	27483.	0.73400
2.9861	34.892	6.36	25675.	0.73400
2.7966	30.603	5.95	24046.	0.73400
2.6183	26.825	5.57	22512.	0.73400
2.4459	23.409	5.21	21030.	0.73400
2.2759	20.268	4.85	19569.	0.73400
2.1053	17.344	4.48	18102.	0.73400
1.9315	14.598	4.11	16607.	0.73400
1.7513	12.001	3.73	15058.	0.73400
1.5606	9.5307	3.32	13419.	0.73400
1.3537	7.1703	2.88	11639.	0.73400
1.1198	4.9064	2.38	9627.9	0.73400
0.83495	2.7280	1.78	7179.1	0.73400
0.40000	0.62608	0.852	3439.3	0.73400

sized by: Cathy Parker, 11/11/94 approval: _____