

file name:94100108

sized:10/28/1994

meter identification: 94100108 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: 0.8130
 - Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
8.0000	50.931	7.59	45927.	0.81300
6.9022	37.912	6.55	39625.	0.81300
6.3925	32.520	6.07	36699.	0.81300
5.9720	28.382	5.67	34285.	0.81300
5.5929	24.893	5.31	32109.	0.81300
5.2363	21.820	4.97	30061.	0.81300
4.8916	19.041	4.64	28082.	0.81300
4.5516	16.486	4.32	26130.	0.81300
4.2105	14.108	4.00	24172.	0.81300
3.8628	11.874	3.67	22176.	0.81300
3.5024	9.7618	3.32	20107.	0.81300
3.1212	7.7524	2.96	17918.	0.81300
2.7072	5.8324	2.57	15542.	0.81300
2.2394	3.9909	2.13	12856.	0.81300
1.6698	2.2190	1.58	9586.4	0.81300
0.79997	0.50927	0.759	4592.5	0.81300

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