

file name:94100129

sized:10/28/1994

meter identification: 94100128 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#/ft<sup>3</sup>  
 viscosity: 0.834 cP  
 Z-factor: 0.003

CERTIFIED: <u>JAM</u>
<u>10/31/94</u>

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

Turndown: 10.0 to 1 Cf: 0.8100  
 - Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
7.9999	51.307	7.59	45926.	0.81000
6.9021	38.192	6.55	39624.	0.81000
6.3924	32.760	6.07	36698.	0.81000
5.9719	28.591	5.67	34284.	0.81000
5.5928	25.077	5.31	32108.	0.81000
5.2362	21.981	4.97	30061.	0.81000
4.8915	19.182	4.64	28082.	0.81000
4.5515	16.608	4.32	26130.	0.81000
4.2104	14.212	4.00	24172.	0.81000
3.8628	11.962	3.67	22176.	0.81000
3.5023	9.8339	3.32	20107.	0.81000
3.1211	7.8097	2.96	17918.	0.81000
2.7072	5.8755	2.57	15542.	0.81000
2.2394	4.0204	2.13	12856.	0.81000
1.6698	2.2354	1.58	9586.2	0.81000
0.79995	0.51303	0.759	4592.5	0.81000

sized by: Cathy Parker, 10/31/94 approval: \_\_\_\_\_