

file name:94100142

sized:11/30/1994

meter identification: 94100142 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: 0.8060

- Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
7.9999	51.818	7.59	45926.	0.80600
6.9021	38.572	6.55	39624.	0.80600
6.3924	33.086	6.07	36698.	0.80600
5.9719	28.876	5.67	34284.	0.80600
5.5928	25.327	5.31	32108.	0.80600
5.2362	22.200	4.97	30061.	0.80600
4.8915	19.373	4.64	28082.	0.80600
4.5515	16.773	4.32	26130.	0.80600
4.2104	14.354	4.00	24172.	0.80600
3.8628	12.081	3.67	22176.	0.80600
3.5023	9.9318	3.32	20107.	0.80600
3.1211	7.8874	2.96	17918.	0.80600
2.7072	5.9340	2.57	15542.	0.80600
2.2394	4.0604	2.13	12856.	0.80600
1.6698	2.2576	1.58	9586.2	0.80600
0.79995	0.51813	0.759	4592.5	0.80600

sized by: Cathy Baker, 11/30/94 approval: \_\_\_\_\_