

file name:94100116

sized:10/28/1994

meter identification: 94100116 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

turndown: 10.0to1 Cf: 0.8090  
 - Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
7.9999	51.434	7.59	45926.	0.80900
6.9021	38.287	6.55	39624.	0.80900
6.3924	32.841	6.07	36698.	0.80900
5.9719	28.662	5.67	34284.	0.80900
5.5928	25.139	5.31	32108.	0.80900
5.2362	22.035	4.97	30061.	0.80900
4.8915	19.230	4.64	28082.	0.80900
4.5515	16.649	4.32	26130.	0.80900
4.2104	14.248	4.00	24172.	0.80900
3.8628	11.992	3.67	22176.	0.80900
3.5023	9.8582	3.32	20107.	0.80900
3.1211	7.8290	2.96	17918.	0.80900
2.7072	5.8900	2.57	15542.	0.80900
2.2394	4.0303	2.13	12856.	0.80900
1.6698	2.2409	1.58	9586.2	0.80900
0.79995	0.51430	0.759	4592.5	0.80900

sized by Carolyn Paetzer, 10/28/94, approval: \_\_\_\_\_