

file name:94100121

sized:10/28/1994

meter identification: 94100121 tag:  
 application customer: ARGONNE LABS  
 V-Cone model number: V000B-A L

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: Jan

Meter Specifications:

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

turndown: 10.0to1 Cf: 0.8140  
 - Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
7.9999	50.804	7.59	45926.	0.81400
6.9021	37.818	6.55	39624.	0.81400
6.3924	32.439	6.07	36698.	0.81400
5.9719	28.311	5.67	34284.	0.81400
5.5928	24.831	5.31	32108.	0.81400
5.2362	21.766	4.97	30061.	0.81400
4.8915	18.994	4.64	28082.	0.81400
4.5515	16.445	4.32	26130.	0.81400
4.2104	14.073	4.00	24172.	0.81400
3.8628	11.845	3.67	22176.	0.81400
3.5023	9.7375	3.32	20107.	0.81400
3.1211	7.7331	2.96	17918.	0.81400
2.7072	5.8179	2.57	15542.	0.81400
2.2394	3.9810	2.13	12856.	0.81400
1.6698	2.2134	1.58	9586.2	0.81400
0.79995	0.50800	0.759	4592.5	0.81400

sized by Carolyn Parker 10/28/94 approval: \_\_\_\_\_