

file name:94100101

sized:10/28/1994

meter identification: 94100101 tag:  
 application customer: ARGONNE LABS  
 V-Cone model number: V000B-AZ

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: 0.8080

- Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
8.0000	51.563	7.59	45927.	0.80800
6.9022	38.383	6.55	39625.	0.80800
6.3925	32.923	6.07	36699.	0.80800
5.9720	28.734	5.67	34285.	0.80800
5.5929	25.202	5.31	32109.	0.80800
5.2363	22.091	4.97	30061.	0.80800
4.8916	19.278	4.64	28082.	0.80800
4.5516	16.691	4.32	26130.	0.80800
4.2105	14.283	4.00	24172.	0.80800
3.8628	12.022	3.67	22176.	0.80800
3.5024	9.8830	3.32	20107.	0.80800
3.1212	7.8486	2.96	17918.	0.80800
2.7072	5.9048	2.57	15542.	0.80800
2.2394	4.0405	2.13	12856.	0.80800
1.6698	2.2465	1.58	9586.4	0.80800
0.79997	0.51559	0.759	4592.5	0.80800

sized by: Cecily Parker, 10/28/94 approval: \_\_\_\_\_