

file name:94100233

sized:11/11/1994

meter identification: 94100233 tag:

application customer: ARGONNE LABS  
 V-Cone model number: V000A-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: 0.438in  
 cone diameter: 0.299in  
 beta ratio: 0.7307  
 Fa: 1.0001

turndown: 10.0to1 Cf: 0.7650

L Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
4.0001	57.642	8.52	34394.	0.76500
3.4512	42.908	7.35	29675.	0.76500
3.1964	36.805	6.80	27483.	0.76500
2.9861	32.121	6.36	25675.	0.76500
2.7966	28.173	5.95	24046.	0.76500
2.6183	24.695	5.57	22512.	0.76500
2.4459	21.551	5.21	21030.	0.76500
2.2759	18.659	4.85	19569.	0.76500
2.1053	15.967	4.48	18102.	0.76500
1.9315	13.439	4.11	16607.	0.76500
1.7513	11.048	3.73	15058.	0.76500
1.5606	8.7739	3.32	13419.	0.76500
1.3537	6.6009	2.88	11639.	0.76500
1.1198	4.5168	2.38	9627.9	0.76500
0.83495	2.5114	1.78	7179.1	0.76500
0.40000	0.57637	0.852	3439.3	0.76500

sized by: Candy Jaker, 11/11/94, approval: \_\_\_\_\_