

file name:94100219

sized:11/07/1994

meter identification: 94100219 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: JAM

Meter Specifications:

inside diameter: 0.438in  
 cone diameter: 0.299in  
 beta ratio: 0.7307  
 Fa: 1.0001

turndown: 10.0to1 Cf: 0.7520

- Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
4.0002	59.652	8.52	34394.	0.75200
3.4512	44.404	7.35	29675.	0.75200
3.1964	38.088	6.80	27483.	0.75200
2.9861	33.242	6.36	25675.	0.75200
2.7966	29.156	5.95	24046.	0.75200
2.6183	25.556	5.57	22512.	0.75200
2.4459	22.302	5.21	21030.	0.75200
2.2759	19.309	4.85	19569.	0.75200
2.1053	16.524	4.48	18102.	0.75200
1.9315	13.908	4.11	16607.	0.75200
1.7513	11.433	3.73	15058.	0.75200
1.5606	9.0799	3.32	13419.	0.75200
1.3537	6.8312	2.88	11639.	0.75200
1.1198	4.6743	2.38	9627.9	0.75200
0.83495	2.5989	1.78	7179.1	0.75200
0.40000	0.59647	0.852	3439.3	0.75200

sized by: Cathy Parker, 11/11/94, approval: \_\_\_\_\_