

file name: 94100213

sized: 11/02/1994

meter identification: 94100213 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: 0.884 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: 10.0 to 1 Cf: 0.7420

- Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
4.0002	61.271	8.52	34394.	0.74200
3.4512	45.609	7.35	29675.	0.74200
3.1964	39.122	6.80	27483.	0.74200
2.9861	34.144	6.36	25675.	0.74200
2.7966	29.947	5.95	24046.	0.74200
2.6183	26.250	5.57	22512.	0.74200
2.4459	22.907	5.21	21030.	0.74200
2.2759	19.833	4.85	19569.	0.74200
2.1053	16.972	4.48	18102.	0.74200
1.9315	14.285	4.11	16607.	0.74200
1.7513	11.744	3.73	15058.	0.74200
1.5606	9.3263	3.32	13419.	0.74200
1.3537	7.0165	2.88	11639.	0.74200
1.1198	4.8012	2.38	9627.9	0.74200
0.83495	2.6695	1.78	7179.1	0.74200
0.40000	0.61266	0.852	3439.3	0.74200

sized by Cathy Farka, 11/2/94 approval: _____