

file name:94100202

sized:11/02/1994

meter identification: 94100202 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: <i>JAM</i>
<u>11/2/94</u>

Meter Specifications:

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

turndown: 10.0 to 1 Cf: 0.7500

- Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
4.0002	59.971	8.52	34394.	0.75000
3.4512	44.641	7.35	29675.	0.75000
3.1964	38.292	6.80	27483.	0.75000
2.9861	33.419	6.36	25675.	0.75000
2.7966	29.312	5.95	24046.	0.75000
2.6183	25.693	5.57	22512.	0.75000
2.4459	22.421	5.21	21030.	0.75000
2.2759	19.413	4.85	19569.	0.75000
2.1053	16.612	4.48	18102.	0.75000
1.9315	13.982	4.11	16607.	0.75000
1.7513	11.494	3.73	15058.	0.75000
1.5606	9.1284	3.32	13419.	0.75000
1.3537	6.8676	2.88	11639.	0.75000
1.1198	4.6993	2.38	9627.9	0.75000
0.83495	2.6128	1.78	7179.1	0.75000
0.40000	0.59966	0.852	3439.3	0.75000

sized by: *Tracy Felt*, 11/2/94 approval: _____