

file name:94100214

sized:11/02/1994

meter identification: 94100214 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: 0.7540

- Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
4.0002	59.336	8.52	34394.	0.75400
3.4512	44.169	7.35	29675.	0.75400
3.1964	37.886	6.80	27483.	0.75400
2.9861	33.066	6.36	25675.	0.75400
2.7966	29.002	5.95	24046.	0.75400
2.6183	25.421	5.57	22512.	0.75400
2.4459	22.184	5.21	21030.	0.75400
2.2759	19.207	4.85	19569.	0.75400
2.1053	16.436	4.48	18102.	0.75400
1.9315	13.834	4.11	16607.	0.75400
1.7513	11.373	3.73	15058.	0.75400
1.5606	9.0318	3.32	13419.	0.75400
1.3537	6.7950	2.88	11639.	0.75400
1.1198	4.6495	2.38	9627.9	0.75400
0.83495	2.5852	1.78	7179.1	0.75400
0.40000	0.59331	0.852	3439.3	0.75400

sized by: Cowley Parker, 11/2/94 approval: _____