

file name:94100225

sized:11/11/1994

meter identification: 94100225 tag:
 application customer: ARGONNE LABS
 V-Cone model number: V000A -AL

fluid: Water/water comments:

fluid boiling point: 671.800 R

CERTIFIED: JAM

Operating Conditions:

temperature: 75.000 F
 pressure: 150.000 psig
 fluid mass: 62.098#/ft3
 viscosity: 0.834 cP
 Z-factor: 0.003

Meter Specifications:

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

turndown: 10.0to1 Cf: 0.7680
 - Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
4.0002	57.193	8.52	34394.	0.76800
3.4512	42.573	7.35	29675.	0.76800
3.1964	36.518	6.80	27483.	0.76800
2.9861	31.871	6.36	25675.	0.76800
2.7966	27.954	5.95	24046.	0.76800
2.6183	24.503	5.57	22512.	0.76800
2.4459	21.383	5.21	21030.	0.76800
2.2759	18.513	4.85	19569.	0.76800
2.1053	15.843	4.48	18102.	0.76800
1.9315	13.334	4.11	16607.	0.76800
1.7513	10.962	3.73	15058.	0.76800
1.5606	8.7055	3.32	13419.	0.76800
1.3537	6.5495	2.88	11639.	0.76800
1.1198	4.4816	2.38	9627.9	0.76800
0.83495	2.4918	1.78	7179.1	0.76800
0.40000	0.57188	0.852	3439.3	0.76800

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