

file name:94100220

sized:11/07/1994

meter identification: 94100220 tag:
 application customer: ARGONNE LABS
 V-Cone model number: V000A-4L

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: 10.0 to 1 Cf: 0.7630
 - Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
4.0002	57.945	8.52	34394.	0.76300
3.4512	43.133	7.35	29675.	0.76300
3.1964	36.998	6.80	27483.	0.76300
2.9861	32.290	6.36	25675.	0.76300
2.7966	28.321	5.95	24046.	0.76300
2.6183	24.825	5.57	22512.	0.76300
2.4459	21.664	5.21	21030.	0.76300
2.2759	18.757	4.85	19569.	0.76300
2.1053	16.051	4.48	18102.	0.76300
1.9315	13.510	4.11	16607.	0.76300
1.7513	11.106	3.73	15058.	0.76300
1.5606	8.8200	3.32	13419.	0.76300
1.3537	6.6356	2.88	11639.	0.76300
1.1198	4.5405	2.38	9627.9	0.76300
0.83495	2.5245	1.78	7179.1	0.76300
0.40000	0.57940	0.852	3439.3	0.76300

sized by: *Carolyn Jaker*, 11/11/94, approval: _____