

file name:94100126

sized:10/28/1994

meter identification: 94100126 tag:
 application customer: ARGONNE LABS
 V-Cone model number: V000B-4A

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

GERTIFIED: Jan

10/31/94

Meter Specifications:

inside diameter: 0.656in
 cone diameter: 0.468in
 beta ratio: 0.7007
 Fa: 1.0001

turndown: 10.0tol Cf: 0.8010
 - Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
7.9999	52.467	7.59	45926.	0.80100
6.9021	39.055	6.55	39624.	0.80100
6.3924	33.500	6.07	36698.	0.80100
5.9719	29.237	5.67	34284.	0.80100
5.5928	25.644	5.31	32108.	0.80100
5.2362	22.478	4.97	30061.	0.80100
4.8915	19.616	4.64	28082.	0.80100
4.5515	16.983	4.32	26130.	0.80100
4.2104	14.534	4.00	24172.	0.80100
3.8628	12.232	3.67	22176.	0.80100
3.5023	10.056	3.32	20107.	0.80100
3.1211	7.9861	2.96	17918.	0.80100
2.7072	6.0083	2.57	15542.	0.80100
2.2394	4.1112	2.13	12856.	0.80100
1.6698	2.2859	1.58	9586.2	0.80100
0.79995	0.52462	0.759	4592.5	0.80100

sized by: Carolyn Freder, 10/31/94, approval: _____