

file name: 94100111

sized: 10/28/1994

meter identification: 94100111 tag:
 application customer: ARGONNE LABS
 V-Cone model number: V000B-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: 0.656in
 cone diameter: 0.468in
 beta ratio: 0.7007
 Fa: 1.0001

turndown: 10.0 to 1 Cf: 0.7960
 - Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
8.0000	53.130	7.59	45927.	0.79600
6.9022	39.549	6.55	39625.	0.79600
6.3925	33.923	6.07	36699.	0.79600
5.9720	29.607	5.67	34285.	0.79600
5.5929	25.968	5.31	32109.	0.79600
5.2363	22.762	4.97	30061.	0.79600
4.8916	19.863	4.64	28082.	0.79600
4.5516	17.198	4.32	26130.	0.79600
4.2105	14.717	4.00	24172.	0.79600
3.8628	12.387	3.67	22176.	0.79600
3.5024	10.183	3.32	20107.	0.79600
3.1212	8.0871	2.96	17918.	0.79600
2.7072	6.0842	2.57	15542.	0.79600
2.2394	4.1632	2.13	12856.	0.79600
1.6698	2.3148	1.58	9586.4	0.79600
0.79997	0.53125	0.759	4592.5	0.79600

sized by: Carly Fowler, 10/28/94, approval: _____