

file name: 94100363

sized: 11/28/1994

meter identification: 94100363 tag:  
 application customer: ARGONNE LABS.  
 V-cone model number: V000A-AL

fluid: Water/water

comments: \_\_\_\_\_

fluid boiling point: 671.800 R

CERTIFIED: <u>JAM</u>

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: 0.371in  
 beta ratio: 0.5315  
 Fa: 1.0001

turndown: 10.0 to 1 Cf: 0.8240

- Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
1.9998	57.098	4.26	17195.	0.82400
1.7254	42.503	3.67	14836.	0.82400
1.5980	36.457	3.40	13740.	0.82400
1.4929	31.818	3.18	12836.	0.82400
1.3981	27.907	2.98	12021.	0.82400
1.3090	24.462	2.79	11255.	0.82400
1.2228	21.347	2.60	10514.	0.82400
1.1378	18.483	2.42	9783.2	0.82400
1.0525	15.816	2.24	9050.1	0.82400
0.96564	13.312	2.06	8302.8	0.82400
0.87553	10.944	1.86	7528.0	0.82400
0.78023	8.6911	1.66	6708.6	0.82400
0.67675	6.5386	1.44	5818.9	0.82400
0.55981	4.4742	1.19	4813.4	0.82400
0.41743	2.4877	0.889	3589.2	0.82400
0.19998	0.57093	0.426	1719.4	0.82400

sized by Carolyn Parker, 11/29/94, approval: \_\_\_\_\_