

file name:94100321

sized:11/17/1994

meter identification: 94100321 tag:  
 application customer: ARGONNE LABS.  
 V-Cone model number: V000A-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: 0.438in  
 cone diameter: 0.371in  
 beta ratio: 0.5315  
 Fa: 1.0001

turndown: 10.0to1 Cf: 0.8210

- Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
2.0000	57.525	4.26	17197.	0.82100
1.7256	42.820	3.67	14837.	0.82100
1.5981	36.730	3.40	13741.	0.82100
1.4930	32.056	3.18	12837.	0.82100
1.3982	28.116	2.98	12022.	0.82100
1.3091	24.645	2.79	11256.	0.82100
1.2229	21.507	2.60	10515.	0.82100
1.1379	18.621	2.42	9783.9	0.82100
1.0526	15.935	2.24	9050.8	0.82100
0.96571	13.412	2.06	8303.4	0.82100
0.87560	11.026	1.86	7528.6	0.82100
0.78029	8.7560	1.66	6709.2	0.82100
0.67681	6.5875	1.44	5819.3	0.82100
0.55985	4.5076	1.19	4813.8	0.82100
0.41746	2.5063	0.889	3589.4	0.82100
0.19999	0.57520	0.426	1719.6	0.82100

sized by *C. J. Parker*, 11/17/94, approval: \_\_\_\_\_