

file name:94100315

sized:11/17/1994

meter identification: 94100315 tag:  
 application customer: ARGONNE LABS.  
 V-Cone model number: V000A

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: <u>JAM</u>

Meter Specifications:

inside diameter: 0.438in  
 cone diameter: 0.371in  
 beta ratio: 0.5315  
 Fa: 1.0001

turndown: 10.0 to 1 Cf: 0.8190  
 - Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
2.0000	57.806	4.26	17197.	0.81900
1.7256	43.030	3.67	14837.	0.81900
1.5981	36.909	3.40	13741.	0.81900
1.4930	32.213	3.18	12837.	0.81900
1.3982	28.254	2.98	12022.	0.81900
1.3091	24.765	2.79	11256.	0.81900
1.2229	21.612	2.60	10515.	0.81900
1.1379	18.712	2.42	9783.9	0.81900
1.0526	16.013	2.24	9050.8	0.81900
0.96571	13.477	2.06	8303.4	0.81900
0.87560	11.080	1.86	7528.6	0.81900
0.78029	8.7989	1.66	6709.2	0.81900
0.67681	6.6197	1.44	5819.3	0.81900
0.55985	4.5296	1.19	4813.8	0.81900
0.41746	2.5185	0.889	3589.4	0.81900
0.19999	0.57801	0.426	1719.6	0.81900

sized by *Paul J. Parker*, approval: \_\_\_\_\_