

file name: 94100310

sized: 11/17/1994

meter identification: 94100310 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: 10.0 to 1 Cf: 0.8260  
 - Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
2.0000	56.830	4.26	17197.	0.82600
1.7256	42.304	3.67	14837.	0.82600
1.5981	36.286	3.40	13741.	0.82600
1.4930	31.669	3.18	12837.	0.82600
1.3982	27.777	2.98	12022.	0.82600
1.3091	24.347	2.79	11256.	0.82600
1.2229	21.247	2.60	10515.	0.82600
1.1379	18.396	2.42	9783.9	0.82600
1.0526	15.742	2.24	9050.8	0.82600
0.96571	13.250	2.06	8303.4	0.82600
0.87560	10.893	1.86	7528.6	0.82600
0.78029	8.6504	1.66	6709.2	0.82600
0.67681	6.5080	1.44	5819.3	0.82600
0.55985	4.4532	1.19	4813.8	0.82600
0.41746	2.4760	0.889	3589.4	0.82600
0.19999	0.56825	0.426	1719.6	0.82600

sized by: Carly Parker, 11/17/94, approval: \_\_\_\_\_