

file name: 94100311

sized: 11/17/1994

meter identification: 94100311 tag:  
 application customer: ARGONNE LABS.  
 V-Cone model number: V000A-KL

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: 0.8380  
 - Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
2.0000	55.214	4.26	17197.	0.83800
1.7256	41.101	3.67	14837.	0.83800
1.5981	35.255	3.40	13741.	0.83800
1.4930	30.769	3.18	12837.	0.83800
1.3982	26.987	2.98	12022.	0.83800
1.3091	23.655	2.79	11256.	0.83800
1.2229	20.643	2.60	10515.	0.83800
1.1379	17.873	2.42	9783.9	0.83800
1.0526	15.295	2.24	9050.8	0.83800
0.96571	12.873	2.06	8303.4	0.83800
0.87560	10.583	1.86	7528.6	0.83800
0.78029	8.4044	1.66	6709.2	0.83800
0.67681	6.3229	1.44	5819.3	0.83800
0.55985	4.3266	1.19	4813.8	0.83800
0.41746	2.4056	0.889	3589.4	0.83800
0.19999	0.55210	0.426	1719.6	0.83800

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