

file name: 94102247

sized: 12/20/1994

meter identification: 94102247 tag:  
 application customer: ARGONNE LABS  
 V-Cone model number: V000A-~~AL~~

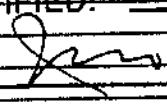
fluid: Water/water

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

fluid boiling point: 671.800 R

Operating Conditions:

temperature: 75.000 F  
 pressure: 150.000 psig  
 fluid mass: 62.098#/ft<sup>3</sup>  
 viscosity: 0.834 cP  
 Z-factor: 0.003

CERTIFIED: \_\_\_\_\_  
  
 \_\_\_\_\_

Meter Specifications:

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

turndown: 10.0 to 1 Cf: 0.8160  
 - Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
1.9999	58.223	4.26	17195.	0.81600
1.7254	43.340	3.67	14836.	0.81600
1.5980	37.176	3.40	13740.	0.81600
1.4929	32.445	3.18	12836.	0.81600
1.3981	28.457	2.98	12022.	0.81600
1.3090	24.944	2.79	11255.	0.81600
1.2228	21.768	2.60	10514.	0.81600
1.1378	18.847	2.42	9783.2	0.81600
1.0525	16.128	2.24	9050.1	0.81600
0.96564	13.575	2.06	8302.8	0.81600
0.87553	11.159	1.86	7528.1	0.81600
0.78023	8.8624	1.66	6708.7	0.81600
0.67676	6.6675	1.44	5818.9	0.81600
0.55981	4.5623	1.19	4813.4	0.81600
0.41743	2.5367	0.889	3589.2	0.81600
0.19998	0.58218	0.426	1719.5	0.81600

sized by *Cathy Fisher*, 12/22/94, approval: \_\_\_\_\_