

file name:94100166

sized:11/30/1994

meter identification: 94100166 tag:  
 application customer: ARGONNE LABS  
 V-Cone model number: V000B-AL

fluid: Water/water

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

fluid boiling point: 671.800 R

CERTIFIED: JAM
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Operating Conditions:  
 temperature: 75.000 F  
 pressure: 150.000 psiG  
 fluid mass: 62.098#/ft3  
 viscosity: 0.834 cP  
 Z-factor: 0.003

Meter Specifications:  
 inside diameter: 0.656in  
 cone diameter: 0.419in  
 beta ratio: 0.7694  
 Fa: 1.0001

turndown: 10.0to1 Cf: 0.7850  
 - Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
10.000	50.255	9.49	57409.	0.78500
8.6278	37.409	8.19	49531.	0.78500
7.9906	32.088	7.58	45874.	0.78500
7.4650	28.005	7.08	42856.	0.78500
6.9912	24.563	6.64	40136.	0.78500
6.5454	21.530	6.21	37577.	0.78500
6.1145	18.789	5.80	35103.	0.78500
5.6895	16.268	5.40	32663.	0.78500
5.2631	13.921	5.00	30215.	0.78500
4.8285	11.717	4.58	27720.	0.78500
4.3780	9.6322	4.16	25134.	0.78500
3.9015	7.6495	3.70	22398.	0.78500
3.3840	5.7550	3.21	19427.	0.78500
2.7993	3.9379	2.66	16070.	0.78500
2.0873	2.1895	1.98	11983.	0.78500
0.99996	0.50251	0.949	5740.7	0.78500

sized by: Crawley Parker, 11/30/94 approval: \_\_\_\_\_