

file name:94100361

sized:11/28/1994

meter identification: 94100361 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: 0.8340  
 - Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
1.9998	55.737	4.26	17195.	0.83400
1.7254	41.490	3.67	14836.	0.83400
1.5980	35.588	3.40	13740.	0.83400
1.4929	31.060	3.18	12836.	0.83400
1.3981	27.242	2.98	12021.	0.83400
1.3090	23.879	2.79	11255.	0.83400
1.2228	20.838	2.60	10514.	0.83400
1.1378	18.042	2.42	9783.2	0.83400
1.0525	15.439	2.24	9050.1	0.83400
0.96564	12.995	2.06	8302.8	0.83400
0.87553	10.683	1.86	7528.0	0.83400
0.78023	8.4839	1.66	6708.6	0.83400
0.67675	6.3828	1.44	5818.9	0.83400
0.55981	4.3675	1.19	4813.4	0.83400
0.41743	2.4284	0.889	3589.2	0.83400
0.19998	0.55732	0.426	1719.4	0.83400

sized by *Andy Parker*, 11/29/94, approval: \_\_\_\_\_