

file name:94100345

sized:11/28/1994

meter identification: 94100345 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: 10.0to1 Cf: 0.8170

- Cf is linear to flowrate -

FLOWRATE ( GPM )	DIFF-PRESS ( inWC )	VELOCITY ( f/s )	REYNOLDS NUMBER	COEFFICIENT OF FLOW
1.9999	58.081	4.26	17195.	0.81700
1.7254	43.234	3.67	14836.	0.81700
1.5980	37.085	3.40	13740.	0.81700
1.4929	32.366	3.18	12836.	0.81700
1.3981	28.388	2.98	12021.	0.81700
1.3090	24.883	2.79	11255.	0.81700
1.2228	21.714	2.60	10514.	0.81700
1.1378	18.801	2.42	9783.2	0.81700
1.0525	16.089	2.24	9050.1	0.81700
0.96564	13.541	2.06	8302.8	0.81700
0.87553	11.132	1.86	7528.0	0.81700
0.78023	8.8407	1.66	6708.6	0.81700
0.67675	6.6512	1.44	5818.9	0.81700
0.55981	4.5512	1.19	4813.4	0.81700
0.41743	2.5305	0.889	3589.2	0.81700
0.19998	0.58076	0.426	1719.4	0.81700

sized by: Candy Fisher, 11/29/94 approval: \_\_\_\_\_