

file name: 94100343

sized: 11/28/1994

meter identification: 94100343 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: 0.8190
 - Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
1.9999	57.797	4.26	17195.	0.81900
1.7254	43.023	3.67	14836.	0.81900
1.5980	36.904	3.40	13740.	0.81900
1.4929	32.208	3.18	12836.	0.81900
1.3981	28.249	2.98	12021.	0.81900
1.3090	24.762	2.79	11255.	0.81900
1.2228	21.609	2.60	10514.	0.81900
1.1378	18.709	2.42	9783.2	0.81900
1.0525	16.010	2.24	9050.1	0.81900
0.96564	13.475	2.06	8302.8	0.81900
0.87553	11.078	1.86	7528.0	0.81900
0.78023	8.7975	1.66	6708.6	0.81900
0.67675	6.6187	1.44	5818.9	0.81900
0.55981	4.5290	1.19	4813.4	0.81900
0.41743	2.5181	0.889	3589.2	0.81900
0.19998	0.57792	0.426	1719.4	0.81900

sized by: *C. J. Parker*, 11/29/94 approval: _____