

file name: 94100303

sized: 11/17/1994

meter identification: 94100303 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: JAN

Meter Specifications:

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

turndown: 10.0 to 1 Cf: 0.8140
 - Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
2.0000	58.518			
1.7256	43.560	4.26	17197.	0.81400
1.5981	37.364	3.67	14837.	0.81400
1.4930	32.610	3.40	13741.	0.81400
1.3982	28.602	3.18	12837.	0.81400
1.3091	25.071	2.98	12022.	0.81400
1.2229	21.878	2.79	11256.	0.81400
1.1379	18.942	2.60	10515.	0.81400
1.0526	16.210	2.42	9783.9	0.81400
0.96571	13.643	2.24	9050.8	0.81400
0.87560	11.216	2.06	8303.4	0.81400
0.78029	8.9073	1.86	7528.6	0.81400
0.67681	6.7013	1.66	6709.2	0.81400
0.55985	4.5855	1.44	5819.3	0.81400
0.41746	2.5495	1.19	4813.8	0.81400
0.19999	0.58513	0.889	3589.4	0.81400
		0.426	1719.6	0.81400

sized by: Cathy Parker, 11/17/94, approval: _____