

file name:94100302

sized:11/17/1994

meter identification: 94100302 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

turndowns: 10.0 to 1 Cf: 0.8220
- Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
2.0000	57.385			
1.7256	42.716	4.26	17197.	0.82200
1.5981	36.640	3.67	14837.	0.82200
1.4930	31.978	3.40	13741.	0.82200
1.3982	28.048	3.18	12837.	0.82200
1.3091	24.585	2.98	12022.	0.82200
1.2229	21.454	2.79	11256.	0.82200
1.1379	18.575	2.60	10515.	0.82200
1.0526	15.896	2.42	9783.9	0.82200
0.96571	13.379	2.24	9050.8	0.82200
0.87560	10.999	2.06	8303.4	0.82200
0.78029	8.7348	1.86	7528.6	0.82200
0.67681	6.5715	1.66	6709.2	0.82200
0.55985	4.4966	1.44	5819.3	0.82200
0.41746	2.5002	1.19	4813.8	0.82200
0.19999	0.57380	0.889	3589.4	0.82200
		0.426	1719.6	0.82200

sized by: Carly J. [Signature], 11/17/94, approval: _____