

file name:94100151

sized:11/30/1994

meter identification: 94100151 tag:
application customer: ARGONNE LABS
V-Cone model number: V000B-44

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: 0.656in
cone diameter: 0.419in
beta ratio: 0.7694
Fa: 1.0001

turndown: 10.0tol Cf: 0.7870

- Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
10.000	50.000	9.49	57409.	0.78700
8.6278	37.219	8.19	49531.	0.78700
7.9906	31.925	7.58	45874.	0.78700
7.4650	27.863	7.08	42856.	0.78700
6.9912	24.438	6.64	40136.	0.78700
6.5454	21.421	6.21	37577.	0.78700
6.1145	18.693	5.80	35103.	0.78700
5.6895	16.185	5.40	32663.	0.78700
5.2631	13.850	5.00	30215.	0.78700
4.8285	11.657	4.58	27720.	0.78700
4.3780	9.5833	4.16	25134.	0.78700
3.9015	7.6107	3.70	22398.	0.78700
3.3840	5.7258	3.21	19427.	0.78700
2.7993	3.9179	2.66	16070.	0.78700
2.0873	2.1784	1.98	11983.	0.78700
0.99996	0.49995	0.949	5740.7	0.78700

sized by: *Coolidge*, 11/30/94 approval: _____