

file name: 94100158

sized: 11/30/1994

meter identification: 94100158 tag:
 application customer: ARGONNE LABS
 V-Cone model number: V000B-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: 0.656in
 cone diameter: 0.419in
 beta ratio: 0.7694
 Fa: 1.0001

turndown: 10.0 to 1 Cf: 0.7780
 - Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
10.000	51.163	9.49	57409.	0.77800
8.6278	38.085	8.19	49531.	0.77800
7.9906	32.668	7.58	45874.	0.77800
7.4650	28.511	7.08	42856.	0.77800
6.9912	25.007	6.64	40136.	0.77800
6.5454	21.919	6.21	37577.	0.77800
6.1145	19.128	5.80	35103.	0.77800
5.6895	16.562	5.40	32663.	0.77800
5.2631	14.173	5.00	30215.	0.77800
4.8285	11.929	4.58	27720.	0.77800
4.3780	9.8063	4.16	25134.	0.77800
3.9015	7.7878	3.70	22398.	0.77800
3.3840	5.8590	3.21	19427.	0.77800
2.7993	4.0091	2.66	16070.	0.77800
2.0873	2.2291	1.98	11983.	0.77800
0.99996	0.51159	0.949	5740.7	0.77800

sized by: Carey Parker, 11/30/94 approval: _____