

file name: 94100236

sized: 11/21/1994

meter identification: 94100236 tag:
application customer: ARGONNE LABS
V-Cone model number: V000A-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:

Meter Specifications:

inside diameter: 0.438in
cone diameter: 0.299in
beta ratio: 0.7307
Fa: 1.0001

turndown: 10.0tol Cf: 0.7680

- Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
4.0000	57.188	8.52	34393.	0.76800
3.4511	42.570	7.35	29673.	0.76800
3.1963	36.515	6.80	27482.	0.76800
2.9860	31.869	6.36	25674.	0.76800
2.7965	27.952	5.95	24045.	0.76800
2.6182	24.501	5.57	22512.	0.76800
2.4458	21.381	5.21	21030.	0.76800
2.2758	18.512	4.84	19568.	0.76800
2.1053	15.841	4.48	18102.	0.76800
1.9314	13.333	4.11	16607.	0.76800
1.7512	10.961	3.73	15057.	0.76800
1.5606	8.7049	3.32	13418.	0.76800
1.3536	6.5490	2.88	11639.	0.76800
1.1197	4.4812	2.38	9627.6	0.76800
0.83492	2.4916	1.78	7178.9	0.76800
0.39998	0.57183	0.852	3439.2	0.76800

sized by *Cavalry Parker*, 11/21/94 approval: _____