V-Cone Sizing Program version 3.11 (10/93) 10/29/1994

file name:94100132 sized:10/28/1994

meter identification: 94100132 tag:
application customer: ARGONNE LABS
V-Cone model number: V000B-AL

fluid: Water/water

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

Meter Specifications:
inside diameter: 0.656in
cone diameter: 0.468in
beta ratio: 0.7007
Fa: 1.0001

turndown: 10.0to1 Cf: 0.8140
Cf is linear to flowrate -

comments:

CERTIFIED: [signature]
10/31/94

FLOWRATE (GPM)	DIFF-PRESS (inWC)	VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
7.9999	50.804	7.59	45926.	0.81400
6.9021	37.818	6.55	39624.	0.81400
6.3924	32.439	6.07	36698.	0.81400
5.9719	28.311	5.67	34284.	0.81400
5.5928	24.831	5.31	32108.	0.81400
5.2362	21.766	4.97	30061.	0.81400
4.8915	18.994	4.64	28082.	0.81400
4.5515	16.445	4.32	26130.	0.81400
4.2104	14.073	4.00	24172.	0.81400
3.8628	11.845	3.67	22176.	0.81400
3.5023	9.7375	3.32	20107.	0.81400
3.1211	7.7331	2.96	17918.	0.81400
2.7072	5.8179	2.57	15542.	0.81400
2.2394	3.9810	2.13	12856.	0.81400
1.6698	2.2134	1.58	9586.2	0.81400
0.79995	0.50800	0.759	4592.5	0.81400

sized by: Carolyn Parker, 10/31/94 approval: _____, _____

Ketema/McCrometer Division phone:(909) 652-6811 FAX: (909) 652-3078
warnings: .low flow.