V-Cone Sizing Program version 3.11 (10/93) 10/28/1994

file name:94100106 sized:10/28/1994

meter identification: 94100106 tag:
application customer: ARGONNE LABS
V-Cone model number: V000B-AL

fluid: Water/water

comments:

CERTIFIED: JAM

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: 0.8090
- Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)		VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
7.9999	51.434		7.59	45926.	0.80900
6.9021	38.287		6.55	39624.	0.80900
6.3924	32.841		6.07	36698.	0.80900
5.9719	28.662		5.67	34284.	0.80900
5.5928	25.139		5.31	32108.	0.80900
5.2362	22.035		4.97	30061.	0.80900
4.8915	19.230		4.64	28082.	0.80900
4.5515	16.649		4.32	26130.	0.80900
4.2104	14.248		4.00	24172.	0.80900
3.8628	11.992		3.67	22176.	0.80900
3.5023	9.8582		3.32	20107.	0.80900
3.1211	7.8290		2.96	17918.	0.80900
2.7072	5.8900		2.57	15542.	0.80900
2.2394	4.0303		2.13	12856.	0.80900
1.6698	2.2409		1.58	9586.2	0.80900
0.79995	0.51430		0.759	4592.5	0.80900

sized by Carolyn Parker, 10/28/94, approval: _____

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