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

file name:94100127 sized:10/28/1994

meter identification: 94100127 tag:
application customer: ARGONNE LABS
V-Cone model number: V000B-AL

fluid: Water/water

comments:

fluid boiling point: 671.800 R

CERTIFIED: JAA
10/31/94

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

urndown: 10.0to1 Cf: 0.8070
Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)		VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
7.9999	51.689		7.59	45926.	0.80700
6.9021	38.477		6.55	39624.	0.80700
6.3924	33.004		6.07	36698.	0.80700
5.9719	28.804		5.67	34284.	0.80700
5.5928	25.264		5.31	32108.	0.80700
5.2362	22.145		4.97	30061.	0.80700
4.8915	19.325		4.64	28082.	0.80700
4.5515	16.732		4.32	26130.	0.80700
4.2104	14.318		4.00	24172.	0.80700
3.8628	12.051		3.67	22176.	0.80700
3.5023	9.9072		3.32	20107.	0.80700
3.1211	7.8678		2.96	17918.	0.80700
2.7072	5.9193		2.57	15542.	0.80700
2.2394	4.0503		2.13	12856.	0.80700
1.6698	2.2520		1.58	9586.2	0.80700
0.79995	0.51685		0.759	4592.5	0.80700

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

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