V-Cone Sizing Program version 3.11 (10/93) 11/29/1994

file name:94100354 sized:11/28/1994

meter identification: 94100354 tag:
application customer: ARGONNE LABS.
V-Cone model number: V000A -AL

fluid: Water/water

comments:

CERTIFIED: J AM

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: 0.438in
cone diameter: 0.371in
beta ratio: 0.5315
Fa: 1.0001

turndown: 10.0to1 Cf: 0.8300
- Cf is linear to flowrate -

FLOWRATE (GPM)	DIFF-PRESS (inWC)		VELOCITY (f/s)	REYNOLDS NUMBER	COEFFICIENT OF FLOW
1.9998	56.275		4.26	17195.	0.83000
1.7254	41.890		3.67	14836.	0.83000
1.5980	35.932		3.40	13740.	0.83000
1.4929	31.360		3.18	12836.	0.83000
1.3981	27.505		2.98	12021.	0.83000
1.3090	24.110		2.79	11255.	0.83000
1.2228	21.040		2.60	10514.	0.83000
1.1378	18.216		2.42	9783.2	0.83000
1.0525	15.589		2.24	9050.1	0.83000
0.96564	13.121		2.06	8302.8	0.83000
0.87553	10.786		1.86	7528.0	0.83000
0.78023	8.5659		1.66	6708.6	0.83000
0.67675	6.4444		1.44	5818.9	0.83000
0.55981	4.4097		1.19	4813.4	0.83000
0.41743	2.4518		0.889	3589.2	0.83000
0.19998	0.56271		0.426	1719.4	0.83000

sized by: Evelyn Parker, 11/29/94, approval: _____, _____

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