

ASSEMBLY INSTRUCTIONS

The A-1100 Flo-Master Metering Device (IRRIGATION) Kit consists of the following parts:

- 1 A-1100, Flo-Master Metering Device only
- 1 A-1101, Flo-Master Coupling $\frac{1}{2}$ " F.P.T. x $1\frac{3}{4}$ " Acme Female
- 1 A-1102, Flo-Master Filter
- 1 A-1132, Male Hose Connector $\frac{1}{4}$ " M.P.T. x $\frac{3}{8}$ " Hose
- 1 A-779, Back Flow Check Valve $\frac{1}{4}$ " M.P.T. x $\frac{1}{4}$ " F.P.T.
- 1 A-777, Irrigation Distributor
- 2 A-1136, Applicator Hose Clamp ($\frac{1}{4}$ " or $\frac{3}{8}$ " Hose)

The two aluminum sides of the A-1100 are identical except for the threadings, one side the inlet with $\frac{1}{2}$ " M.P.T., the other the outlet (or downstream) with $\frac{1}{4}$ " F.P.T. On the inlet side, before attaching the A-1101 (Coupling) to the $\frac{1}{2}$ " M.P.T., insert the A-1102 (Filter) in acme end of the Coupling. On the outlet side, the A-779 (Back Check) is screwed into the $\frac{1}{4}$ " F.P.T. then the A-1132 (Hose Connector) into the A-779. The $\frac{3}{8}$ " hose and A-1136 (Hose Clamp) is then attached to the A-1132. The other end of the hose is connected to the A-777 (Irrigation Distributor) with the other A-1136 (Hose Clamp).

CAUTION: Care should be taken when connections are being made on the Flo-Master. The Flo-Master is constructed of aluminum and over-tightening of connection could possibly damage the unit beyond repair. A good lead lubricant Anti-seize compound should always be used on the threaded connections.

The nylon disc with 24 orifices is placed between the two aluminum sides of the A-1100 with the numbers on the nylon disc facing the outlet side.

The reverse side of this card is used to set the proper orifice for the amount of ammonia required per hour. The orifice number you select will be set at the arrow at the bottom of the A-1100 and the orifice size selected will appear at the inlet and outlet side of the A-1100. To clean the nylon disc, cut off ammonia flow at your tank, remove the two wing nuts, lift one side of your A-1100 and clean with a cloth.

**POUNDS OF N PER HOUR
DELIVERED BY THE FLO-MASTER IRRIGATION CONTROL**

ORIFICE NO.	TANK PRESSURE - P.S.I.												
	50	65	85	105	125	145	165	185	205	225	245	265	285
	POUNDS OF "N" PER HOUR												
1	1½	2½	2½	3½	3½	4	4	5	5	5	5½	5½	6½
2	4	5	5½	6½	7½	8	8	9	10	10	10½	11½	12½
3	6½	7½	8	10	10½	11½	12½	13	14	15	15½	16½	17
4	9	10	11½	13	14	15½	16½	18	19	19½	20½	21½	22
5	10½	12½	14	15½	17	19	20½	22	23	24½	26	27	28
6	15	17	19½	22	24½	27	28½	31	33	35½	37	37½	38½
7	17	19½	22	25½	28	30½	33	35½	37	39½	42	43½	44½
8	19	22	25½	28½	32	34½	37½	40	42½	45	46½	48½	50
9	24	27	31	35½	39½	42	45	48½	51	54	56½	58	60½
10	28	33	37½	42	46½	50	53½	57½	60	63	65½	68	70½
11	33	38½	43½	49	53½	57½	61½	65½	69	72	76	78	80
12	37	44	50	55½	61½	65½	69½	74	77	81	83½	87	90
13	42	49	55½	62½	69	73	77	82	86	90	93½	96½	101
14	46½	55	62½	69	75½	81	86	91	95	99	102	106	111
15	49	57½	65	72	80½	85	90	95	99	104	107	112	117
16	52	60½	68	75½	83	88½	94½	100	104	108	112	117	125
17	55	64½	73	80½	88	94½	100	107	111	116	120	125	131
18	57½	69	77	86	95	100	106	113	117	123	127	132	139
19	61½	74	83	92	102	108	114	121	126	132	136	142	151
20	65	79	88½	98½	110	115	122	129	135	142	146	152	161
21	69	84½	94	105	116	124	130	138	144	151	156	162	172
22	72	88½	100	111	124	131	138	147	153	160	165	172	183
23	76	95	106	118	131	138	146	156	162	164	175	183	194
24	84½	106	119	131	146	154	162	174	180	188	195	203	216

(OVER, FOR ASSEMBLY INSTRUCTIONS)

CONTINENTAL NH₃ PRODUCTS CO., INC.

130 W. YORKTOWN • BOX 5323 • DALLAS 22, TEXAS • RI 1-6081