

PROGRAMMING THE AP-5000

MASTER PROGRAMMING MODE

<EXTRA CYCLE> BUTTON ADVANCES TO THE NEXT PROGRAMMING STEP, PRESSING THE <UP> OR <DOWN> BUTTON CHANGES THE VALUE ENTERED

SET TIME OF DAY USING <UP><DOWN> SET BUTTONS

START - PRESSING THE <SHIFT> AND <UP> BUTTON FOR 8 SECONDS TO ENTER MASTER PROGRAMMING MODE

STEP 1 – SYSTEM TYPE (ENTER SYSTEM TYPE “METER DELAYED VARIABLE RESERVE”)

STEP 2 – SET VALVE TYPE (ENTER VALVE TYPE AS “PROPRIETARY E”)

STEP 3 – SET REGENERATE FLOW (ENTER FLOW TYPE AS “UP FLOW VARIABLE FILL”)

STEP 4 – DISPLAY FORMAT (ENTER DISPLAY FORMAT AS “US - GALLONS”)

STEP 5 – SET CAPACITY AS PER SOFTENER SIZE

24,000 GRAINS = 0024000

32,000 GRAINS = 0032000

48,000 GRAINS = 0048000

64,000 GRAINS = 0064000

STEP 6 – FEED WATER HARDNESS, ENTER VALUE IN GRAINS PER GALLON (GPG). NOTE: THIS VALUE IS DERIVED FROM A WATER ANALYSIS. CAI WILL PROVIDE A FREE ANALYSIS, OR YOU CAN OBTAIN ONE LOCALLY. IF ANALYSIS IS IN MG/L THEN DIVIDE BY 17.1. IF IRON OR MANGANESE ARE PRESENT, THEN ENTER “COMPENSATED HARDNESS”. MUNICIPAL WATER NORMALLY HAS NO SIGNIFICANT IRON OR MANGANESE PRESENT AND USING A COMPENSATED HARDNESS IS NOT REQUIRED.

STEP 7 – REGENERATION DAY OVERRIDE - ENTER THE DAY (IF DESIRED) YOU WANT TO FORCE A REGENERATION - SOME PEOPLE SET 10 DAYS - SOME DEFEAT THIS SETTING AND LEAVE DISABLED AT “0” DAYS

STEP 9 – TIME OF REGENERATION, SET THE TIME OF DAY FOR SOFTENER REGENERATION – DEFAULT IS 2:00 AM

STEP 10 – REGENERATION CYCLE STEP PROGRAMMING (VALUES ARE SET AUTOMATICALLY DURING PROGRAMMING – DO NOT CHANGE)

CYCLE 1 = VARIABLE BRINE TANK FILL (CALCULATED AUTOMATICALLY)

CYCLE 2 = PAUSE & DELAY 1.00 HOUR = 60 MINUTES

CYCLE 3 = BRINE & SLOW RINSE = 60 MINUTES

CYCLE 4 = BACKWASH = 14 MINUTES

CYCLE 5 = RAPID RINSE = 10 MINUTES

STEP 11 – SET MEDIA VOLUME AS BELOW:

24,000 GRAINS = 0.75 FT³

32,000 GRAINS = 1.00 FT³

48,000 GRAINS = 1.50 FT³

64,000 GRAINS = 2.00 FT³

STEP 12 – SALT DOSAGE (3 LB/FT³, VALUES IS SET AUTOMATICALLY DURING PROGRAMMING – DO NOT CHANGE)

STEP 13 – BRINE LINE FLOW CONTROL (0.5, VALUES IS SET AUTOMATICALLY DURING PROGRAMMING – DO NOT CHANGE)

STEP 14 – AUXILIARY RELAY = DISABLED

STEP 15 – CHEMICAL PUMP = DISABLED

FLOW METER 16 = (0.75 PADDLE, VALUE IS SET AUTOMATICALLY DURING PROGRAMMING – DO NOT CHANGE)

MASTER PROGRAMMING IS NOW COMPLETE

DISPLAY RETURNS TO TIME OF DAY