

PROGRAMMING THE 9000SE & 9100SE

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

Set the time display to 12:01 PM (VERY IMPORTANT - IF YOU DO NOT SET TO **12:01 PM** YOU DO NOT ENTER MASTER PROGRAMMING MODE, MAKE SURE THE LED IS DISPLAYED THAT SHOWS **PM**)

PRESS AND HOLD <UP> AND <DOWN> BUTTONS SIMULTANEOUSLY FOR 5 SECONDS TO ENTER MASTER PROGRAMMING MODE

STEP 1 - DISPLAY - SELECT US (U--1)

STEP 2 - REGENERATION TYPE, SELECT EITHER METER IMMEDIATE OR METER DELAYED. (METER DELAYED IS 7--3)

STEP 3 - TREATED WATER CAPACITY - ENTER THE GALLONS YOU WANT THE UNIT TO METER BEFORE AN AUTOMATIC REGENERATION IS REQUIRED - DEFAULT IS 800

STEP 4 - REGENERATION TIME (DEFAULT 2:00 AM - VARY AS YOU REQUIRE)

STEP 5 - 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 AT THE FACTORY DEFAULT VALUE OF 0 DAYS

STEP 6 REGENERATION CYCLE STEP PROGRAMMING (12 POUNDS SALT/FT³)

(24,000 GRAIN CAPACITY)

- 6-1 REGENERATION CYCLE STEP #1, 10 MINUTES (1-10)
- 6-2 REGENERATION CYCLE STEP #2, 60 MINUTES (2-60)
- 6-3 REGENERATION CYCLE STEP #3, 10 MINUTES (3-10)
- 6-4 REGENERATION CYCLE STEP #4, 6 MINUTES (4-6)
- 6-5 REGENERATION CYCLE STEP #5, OFF (5-OFF)

(32,000 GRAIN CAPACITY)

- 6-1 REGENERATION CYCLE STEP #1, 10 MINUTES (1-10)
- 6-2 REGENERATION CYCLE STEP #2, 60 MINUTES (2-60)
- 6-3 REGENERATION CYCLE STEP #3, 10 MINUTES (3-10)
- 6-4 REGENERATION CYCLE STEP #4, 8 MINUTES (4-8)
- 6-5 REGENERATION CYCLE STEP #5, OFF (5-OFF)

STEP 6 (CONTINUED)

(48,000 GRAIN CAPACITY)

- 6-1 REGENERATION CYCLE STEP #1, 10 MINUTES (1-10)
- 6-2 REGENERATION CYCLE STEP #2, 60 MINUTES (2-60)
- 6-3 REGENERATION CYCLE STEP #3, 10 MINUTES (3-10)
- 6-4 REGENERATION CYCLE STEP #4, 12 MINUTES (4-12)
- 6-5 REGENERATION CYCLE STEP #5, OFF (5-OFF)

(64,000 GRAIN CAPACITY)

- 6-1 REGENERATION CYCLE STEP #1, 10 MINUTES (1-10)
- 6-2 REGENERATION CYCLE STEP #2, 60 MINUTES (2-60)
- 6-3 REGENERATION CYCLE STEP #3, 10 MINUTES (3-10)
- 6-4 REGENERATION CYCLE STEP #4, 16 MINUTES (4-16)
- 6-5 REGENERATION CYCLE STEP #5, OFF (5-OFF)

STEP 7 - FLOW METER SIZE

- 3/4 INCH 9000 & 9100 - (F133)
- 1.0 INCH 9000 & 9100 - (F--8)

STEP 8

- 8-1 VALVE TYPE - (o--2)
- 8-2 TANK IN SERVICE EITHER (o--1) OR (o--2)

STEP 9 - LINE FREQUENCY - 60 HZ (LF60)

EXIT MASTER PROGRAMMING

UNDERSTANDING THE BRINING PROCESS

Your softener is equipped with a 0.5 GPM BLFC flow control. Your softener can be set for brining at about 12 pounds per cubic foot.

- 24,000 grain = 3/4 cubic feet of resin
- 32,000 grain = 1.0 cubic foot of resin
- 48,000 grain = 1.5 cubic feet of resin
- 64,000 grain = 2.0 cubic feet of resin

A 48,000 capacity water softener grain example:

Three (3) pounds of salt will dissolve into a gallon of water - so to have 18 pounds of salt (12 pounds x 1.5 cubic feet) you need to have brine refill at 12 minutes to refill the brine tank with 6 gallons of water (6 gallons at 3 pounds of salt per gallon = 18 pounds).

Default settings are fine for backwash, brine draw/slow rinse and rapid rinse.

Step 6 (as above)

6-1 = 10 minutes (backwash position) - flushes/cleans the resin bed)

6-2 = 60 minutes (brine draw/slow rinse) - draws brine solution into the resin bed)

6-3 = 10 minutes (rapid rinse) - rinses excess brine from resin bed)

6-4 = (4-12)

6-5 = (5-OFF)

Adjust setting 6-4 as required for your capacity softener.