

PROGRAMMING THE 5600EC & 2510EC

The calculation and procedure for proper pin setting of the 5600 and 2510 Econominder is below. Setting the brine refill time depends on the color label (sticker indicating the installed brine refill flow control) that you will find placed on the rear of the valve head. You have a black label.

Blue label - 0.25 GPM

Black label - 0.50 GPM

Red label - 1.00 GPM

The following example uses a 0.5 GPM refill rate. Typical water softener applications use a value of 12 pounds salt per cubic foot.

24,000 grain = 0.75 cubic feet of resin. Three (3) pounds of salt will dissolve into a gallon of water - so to have 9 pounds of salt (12 pounds x 0.75 cubic feet) you need to have brine refill at 6 minutes to refill the brine tank with 3 gallons of water (3 gallons at 3 pounds of salt per gallon = 9 pounds).

32,000 grain = 1 cubic feet of resin. For the required 12 pounds of salt (12 pounds x 1 cubic feet) you need to have brine refill at 8 minutes to refill the brine tank with 4 gallons of water (4 gallons at 3 pounds of salt per gallon = 12 pounds).

48,000 grain = 1.5 cubic feet of resin. For the required 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).

64,000 grain = 2 cubic feet of resin. For the required 24 pounds of salt (12 pounds x 2 cubic feet) you need to have brine refill at 16 minutes to refill the brine tank with 8 gallons of water (8 gallons at 3 pounds of salt per gallon = 24 pounds).

Default settings are fine for backwash, brine draw/slow rinse and rapid rinse. Each pin hole = 2 minutes, so to check for correct brine refill setting, there should be 8 holes in the wheel before the last two installed pins.

Step#1 = 8 minutes (backwash position, flushes/cleans the resin bed - first set of pins, 4 pins)

Step#2 = 60 minutes (brine draw/slow rinse, draws brine solution into the resin bed - first set of holes, 30 holes)

Step#3 = 8 minutes (rapid rinse, rinses excess brine from resin bed - second set of pins, 4 pins)

Step#4 = (5 gallons water, second set of holes)

24K = 12 minutes - 3 pin holes

32K = 12 minutes - 4 pin holes

48K = 12 minutes - 6 pin holes

64K = 12 minutes - 8 pin holes

Step#5 - 4 minutes (re-set, 2 pins)

Programming is now complete

