

**ADC 44 / 66
Preventive Maintenance Schedule**



Three General areas must be inspected

- 1) Sequence switch mechanism in tray track
- 2) Water control mechanism
- 3) Conveyor system

SEQUENCE SWITCH MECHANISM

- 1) Free moving
- 2) 1/16" clearance on pivot bolts
- 3) Magnet adjustment is approximately 1/16" from tank floor
- 4) Pump motor will activate only after 1/8-1/4" movement of sequence bar
This will indicate that the adjustment of the reed switch is correct

WATER CONTROL MECHANISM

- 1) Check for free movement of suspended rod and weight
- 2) Suspended weight is free moving and clear
- 3) Lever is free moving and has 1/16" clearance from box or attaching locknut. Operate the lever 10 to 20 times with the tank full, it should not stick on "fill". If it does stick, the problem will be interference with the rod, weight, or switch button spring may be too weak.

CONVEYOR SYSTEM

- 1) Cam bearing is well-lubricated (marine grade grease)
- 2) No worn or sloppy parts
- 3) All dogs are free moving
- 4) No chlorine chemical leaks on or near conveyor motor
- 5) Bolt table to the machine to avoid these leaks

NORMAL CHECKS

- 1) Check for bent or damaged parts
- 2) Screens and trays are all in good order
- 3) Drains are clear
- 4) Dispenser is functional and adjusted w/no leaks
- 5) Curtains are in place and clean
- 6) Correct leaks to avoid damage to motors
- 7) Spray patterns are consistent and typical
- 8) Check racks (broken ladders or swayback cause high costs)
- 9) Lime build-up on any conveyor is a problem

ELECTRICAL CHECKS (by qualified electrical technician)

- 1) 44" Machine's total amp draw: 52 amps at 3 phase, with everything working
- 2) Wash Heater: 30-34 amps
- 3) Wash Motor: 8-9 amps
- 4) Rinse Heater: 6 amps
- 5) Rinse or Conveyor Motor: 0.5-1.0 amps
- 6) Control Circuit: 0.65 amps

- 1) 66" Machine's total amp draw: 70 amps at 3 phase, requires 90 amp breaker
- 2) Wash 18kw heater: 48 amps
- 3) Wash Motor: 8 amps
- 4) Rinse Heater: 6 amps
- 5) Rinse Motor or Conveyor Motor: 0.5-1.0 amps
- 6) Power Scraper motor: 8 amps
- 7) Control Circuit: 1 amp