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## Service Codes

### LEVEL 1

- 120 - Low cell current in forward direction - check DC cord, clean cell if necessary or replace cell.
- 121 - Low cell current in reverse direction, same as 120 above.
- 123 - Low to no current at cell - check DC cord, clean cell or replace if necessary.
- 124 - High current indicated at the cell - this usually means a bad PIB.
- 125 - Cell needs to be cleaned or replaced.
- 126 - Low current in forward direction and VAC input voltage below 100/200 VAC - check input voltage, transformer and PIB voltages.
- 127 - Low current in reverse direction and VAC input voltage below 100/200 VAC - check input voltage, transformer and PIB voltages.
- 144 - Low Salinity (below 2.0 gpl) - indicates the pool needs salt added.
- 145 - High Salinity (above 4.0 gpl) - indicates pool needs to be diluted.
- 170 - PIB service condition indicated and is usually caused by low incoming AC voltage - check transformer voltages.
- 171 - PIB service condition - indicates board needs to be replaced.
- 172 - Flow sensor service - clean sensor, check for damage and replace if necessary.
- 173 - Low VAC input voltage and on-board power supply is not regulated - make sure unit is wired with the proper voltage.
- 174 - Pool temperature is too high for operation of AquaPure (i.e. > 108°F).
- 175 - Flow sensor air lock condition or very low salinity.

### LEVEL 2

- 180 - Heated sensor element not heating (generates 172 code)
- 181 - Flow sensor temperature sensor failure (generates 172 code - Flow sensor service)
- 182 - Salinity Sensor sees less than 0.2 gpl of salt, either no salt in pool or sensor air locked (generates 175 code - Flow sensor air lock)
- 183 to 186 - flow salinity sensor temperature probe error codes. They will all generate 172 codes which indicate flow sensor service is required.
- 187 - PIB power supply either too low or too high (generates 173 - Low input voltage code if Level II code 188 is present) (generates 170 code if 188 is not present).
- 188 - VAC input voltage is too low (generates 173 code if Level II code 187 is present)
- 189 - Relay not conducting in the forward direction (generates 171 code - PIB service)
- 190 - Relay not conducting in the reverse direction (generates 171 code - PIB service)
- 191 - High cell current (at upper limit of A/D converter) and cell voltage below 19V (generates 170 code PIB service)
- 192 - High cell current and cell voltage below 19V (generates 171 code - PIB service).
- 193 - Measured significant cell current when SCRs were turned off (generates 170 code - PIB service).
- 194 - Cell Current is 85% lower than desired and cell voltage above 19V (generates 125 code - Cell dirty or needs replacement).
- 195 - Salinity invalid due to out of range measurements caused by PIB error (generates 170 code - PIB service).