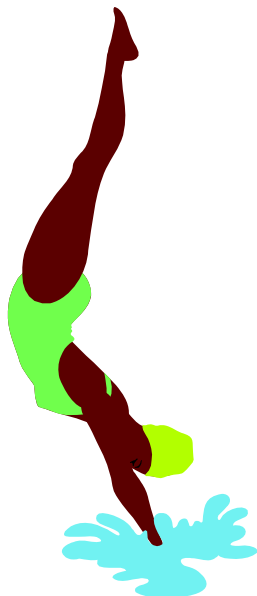


## Pool Operator Checklist and Required Testing

### POOL CHECKLIST



- Operations – **Refer to required testing chart below.**
  - Disinfectant- Cl 1.0-8.0 ppm, Br 2.0-18 ppm
  - pH 7.2 – 7.8
  - Cyanuric acid, calcium hardness & total alkalinity
  - Chemicals added – when & how much
  - Filter backwashed, cleaned, or cartridge changed
  - Pool closures
  - Bacteria – monthly sample
- Safety checks
  - Clarity – main drain visible
  - Life saving equipment
  - First Aid kit
  - Depth markers – every 25 ft
  - No diving markers – every 25 ft
  - Floatline – in place
  - Drain cover – missing or broken
  - Drain cover – no entrapment
  - Gates, doors – self-closing, self-latching, lockable
- Pool Rules (2 signs) – no diving, no running, no rough play
- No lifeguard on duty – at each entry
- Skimmers – weirs in place

### REQUIRED TESTING

#### Iowa Department of Public Health Swimming Pool Rules

Test	Frequency	Acceptable Readings
Free Chlorine or Total Bromine	Before opening & Every 4 hours	1.0 – 8.0 ppm Cl 2.0 – 18.0 ppm Br
Oxidation Reduction Potential (ORP)	With each manual test	650 mV - 880 mV
pH	Before opening & Every 4 hours	pH 7.2 – 7.8 Close < 6.8 or >8.2
Combined Chlorine	Weekly	0.2 ppm (suggested max)
Cyanuric acid (if a stabilized chlorine is used)	Weekly	Close at 80 ppm Reopen at 40 ppm
Total alkalinity	Weekly	80 – 120 ppm (suggested)
Calcium hardness	Monthly	200 – 400 ppm (suggested)
Bacteria - Coliform	Monthly	Safe
Ground Fault Circuit Interrupter (GFCI)	Monthly	Proper functioning

## Spa Operator Checklist and Required Testing

### SPA CHECKLIST



- Operations – **Refer to required testing chart below.**
  - Disinfectant- Cl 2.0 - 8.0 ppm, Br 4.0 - 18 ppm
  - pH 7.2 – 7.8
  - Water Temperature - 104° F maximum
  - Cyanuric acid, calcium hardness & total alkalinity
  - Chemicals added – when & how much
  - Filter backwashed, cleaned or cartridge changed
  - Spa closures
  - Bacteria – monthly samples
- Safety checks
  - Clarity – spa bottom visible
  - Drain cover – missing or broken
  - Drain cover – no entrapment
  - Gates, doors – self-closing, self-latching, lockable
- Spa Rules posted including maximum bather load
- Max Depth posted
- Skimmers – weirs in place

### REQUIRED TESTING

#### Iowa Department of Public Health Spa Rules

Test	Frequency	Acceptable Readings
Free Chlorine or Total Bromine	Before opening & Every 2 hours	2.0 – 8.0 ppm Cl 4.0 -- 18.0 ppm Br
Oxidation Reduction Potential (ORP)	With each manual test	650 mV - 880 mV
pH	Before opening & Every 2 hours	pH 7.2 – 7.8
Temperature	Before opening & When testing manually (at least twice a day)	Max. 104 °F Close above 104 °F
Combined chlorine	Daily	0.2 ppm (suggested max)
Cyanuric acid (if a stabilized chlorine is used)	Daily	Close spa at 80 ppm Reopen at 40 ppm
Total alkalinity	When spa is refilled (and at least once per week)	80 – 120 ppm (suggested)
Calcium hardness	When spa is refilled	200 – 400 ppm (suggested)
Bacteria - Coliform & Pseudomonas	Monthly	Safe
Ground Fault Circuit Interrupter (GFCI)	Monthly	Proper functioning