

**Colorado**

|  |  |
| --- | --- |
| **What Must be Documented/Recorded** | All public pools or semi-public pools shall maintain a record of information regarding operations of the pool. Included within this record shall be, but not limited to, disinfectant levels, pH, calcium hardness levels, total alkalinity, flow meter readings, temperatures, pool balance calculations, SCBA or canister-type respirator checks, gas canister expiration dates, and maintenance procedures. |
| **Water Testing Frequency** | Pools:  Three times per day: date, pH, Cl, ORP  Daily: temperature, flow meter reading, saturation index, calcium hardness, total alkalinity, maintenance procedures  Weekly: cyanuric acid  Hot Tubs:  Every 2 hours: Cl, pH, temperature  Daily: flow meter reading, saturation index, calcium hardness, total alkalinity, maintenance procedures  Weekly: cyanuric acid |
| **Chlorine Levels** | **POOL**:  Min. of .25. Max. 5.0; Ideal 1.0-3.0 ppm  **SPA**: Min. of .25. Max. 5.0; Ideal 3.0-.50 ppm |
| **pH** | Acceptable: 7.2-8.0; Ideal 7.4-7.6 |
| **Total Alkalinity** | 70-180 ppm |
| **Calcium Hardness** | Acceptable 250-600 ppm; Ideal 200-400 ppm |
| **Cyanuric Acid Levels** | Acceptable 20-100 ppm; Ideal 20-40 ppm |
| **Test Kit Requirements** | Every swimming pool shall be provided with water testing equipment for the following determinations:  1. A test-kit for determining the hydrogen ion concentration in the pH range of six and eight-tenths (6.8) to eight (8.0).  2. A test-kit determining the residuals of the disinfectants in current use.  3. A test-kit for the determination of total alkalinity.  4. A test-kit for the determination of the cyanuric acid concentration if said chemical is being used as a chlorine stabilizer.  5. A test-kit for determination of calcium hardness.  6. A hand thermometer accurate to ±2°F shall be available to check the temperature of the water in the pool itself. |
| **Water Clarity** | The water shall have sufficient clarity at all times so that the grate openings on the maindrain are dearly visible from the deck. Failure to meet this requirement shall constitute grounds for immediate closing of the pool. |
| **Turnover Rate** | POOL: 6 hrs. SPA: 30 minutes WADING: 1 hr.  THERAPY POOL: 4 hours |
| **Required Equipment** | **Rescue Pole, Ring Buoy, First Aid Kit, Throw Line, Depth Markers** |
| **Phone** | **All pools require a telephone or equivalent alarm system within the immediate pool (not enforced by entire state).** |
| **Depth Markings** | Depth markers shall be a minimum of four (4) inch numerals in a contrasting color on the deck, and four (4) inch numerals in a contrasting color on the vertical wall at or above water level. |
| **CPO® Required** | YES |