



5 WAY POOL TESTER KIT

ITEM: 71101



OWNER'S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL: KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATING, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL NEAR THE ASSEMBLY DIAGRAM (OR MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO NUMBER)

FOR QUESTIONS PLEASE CALL OUR CUSTOMER SUPPORT: 909.628.0880 MON-FRI 9AM TO 3PM PST

IMPORTANT SAFETY INFORMATION



GENERAL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in serious injury. Save all warnings and instructions for future reference.

- **DANGER: CAN CAUSE BURNS AND EYE DAMAGE. COMBUSTIBLE. CONTAINS KNOWN CARCINOGEN. KEEP OUT REACH OF CHILDREN.**
- Avoid skin and eye contact.
- **DO NOT** Swallow.
- Keep away from heat, sparks, open flames and hot surfaces. No smoking. Avoid skin and eye
- **DO NOT** inhale fumes.
- Wear gloves and eye protection.
- Remove contaminated clothing and wash before re-use.
- Keep bottles capped when not in use.
- Store away from other household chemicals and flammable liquids.
- **WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.** Contains 0.13% Orthotolidine and/or Orthotolidine salt CAS 612-82-8; 5.14% Hydrochloric Acid CAS 7647-01-0, Water 94.73%.
- **FIRST AID:** If inhaled, seek fresh air. If on skin or in eyes, rinse thoroughly with water. Remove contact lenses, if present and easy to do and continue rinsing. If swallowed, rinse out mouth and then drink plenty of water. If any, of the above occurs, contact a physician or Poison Control
- **DO NOT INDUCE VOMITING.** Contains Hydrochloric Acid, 0-toluidine Salt, Phenol Red, Sodium Thiosulfate, Isopropyl Alcohol. May damage metal objects. In case of fire, use dry chemical or CO₂ to extinguish. Store locked up and in a well ventilated area away from children or pets. Dispose of contents in accordance to applicable law.

CAUTION: Conduct tests before adding chemicals. Store test kit in a cool dark place. For accuracy, use fresh solutions to start each season. Refer to instruction booklet for more detailed information.



SAVE THESE WARNINGS

INSTRUCTIONS

Take water samples from depths of 12" to 18" away from the return lines. Rinse the test vial before

CHLORINE TEST

1. Fill small test vial to the line. **3.** Place cap on the vial and swirl to **2.** Add 5 drops solution #1.
- 4. FREE CHLORINE READING:** Within 2-3 seconds, compare color with chlorine standards on the left to determine the free chlorine PPM level.
- 5. COMBINED CHLORINE READING:** Wait 1-2 minutes and compare again to determine the combined chlorine PPM level. A large difference between the two readings (more than 0.2PPM) indicates a need for superchlorination.

BROMINE TEST

1. Rinse the test vial marked "Bromine" (BR) and fill to the line.
- 2.** Add 5 drops of solution #1 **3.** Place cap on vial and swirl to mix.
- 4.** Match the color in the vial with Bromine acid Demand test standards on the right within 30 seconds. Make sure the BR marked side of the test block is being read. The results are read in parts per million (ppm). A desirable reading is 4.4 ppm. However, additional bromine may be needed to maintain a proper level.

pH TEST

1. Fill a large test vial to the top, solid line. **2.** Add 1 drop of solution #4.
- 3.** Add 5 drops of solution #2. Place cap on vial and swirl to mix.
- 4.** Compare the color with the pH standard on the right.
- 5.** A desirable pH reading is 7.2 to 7.6. If the reading is 7.8 or above, acid is required. Using the same water sample, perform test 3 for Acid Demand, noted in the instruction booklet.

ACID DEMAND TEST

1. Use sample water from the pH test.
- 2.** Counting each drop, add solution #3, swirling between drops until the color matches approximately 7.4. Check the Acid Demand Table or the amount of acid to be added to the pool.

TOTAL ALKALINITY

1. Fill a large vial to the lower dash line. **2.** Add 1 drop of solution #4.
- 3.** Add 2 drops of solution #5. Place cap on vial and swirl to mix.
- 4.** Counting each drop, add solution #3, swirling between drops until the color makes a permanent color change.
- 5.** Multiply drops of solution #3 used by 10. Read all warnings on the opposite panel before use.

DANGER, CAN CAUSE BURNS AND EYE DAMAGE. COMBUSTIBLE.

NOTE: the cap must always be used with the test kit vial. **DO NOT** cover the test vial kit with fingers during use. Avoid contact with the OTO solution.

ACID DEMAND TEST

Amount of Muriatic Acid Required

oz = Ounce C = Cup P = Pint Q = Quart G = Gallon 2 cups = Pint 2 Pints = 1 Quart 4 Quarts = 1 Gallon

Pool Capacity in gallons	DROPS OF SOLUTION 3						
	1	2	3	4	5	6	7
250	1/5oz	2/5oz	3/5oz	4/5oz	1oz	1-1/5oz	1-2/5oz
500	2/5oz	4/5oz	1-1/5oz	1-3/5oz	2oz	2-2/5oz	2-4/5oz
750	3/5oz	1-1/5oz	1-4/5oz	2-2/5oz	3oz	3-3/5oz	4-1/5oz
1,000	4/5oz	1-3/5oz	2-2/5oz	3-1/5oz	4oz	4-4/5oz	5-3/5oz
2,500	1/4C	1/2C	3/4C	1C	1 1/4C	1 1/2C	1 3/4C
5,000	1/2C	1C	1 1/2C	1P	2 1/2C	3C	3-1/2C
10,000	1C	1P	1 1/2P	1Q	2 1/2P	3P	3 1/2P
15,000	1-1/2C	1-1/2P	2-1/4P	3P	2Q	2-1/4Q	2-1/2Q
20,000	1P	1Q	3P	2Q	2-1/2Q	3Q	3-1/2Q
25,000	1-1/4P	2-1/2P	2Q	2-1/2Q	3Q	1G	4-1/2Q
30,000	1-1/2P	3P	2-1/4Q	3Q	1G	4-1/2G	1-1/4G
35,000	1-3/4P	3-1/2P	2-3/4Q	3-1/2P	4-1/2Q	1-1/4G	1-1/2G
40,000	1Q	2Q	3Q	1G	1-1/4G	1-1/2G	1-3/4G
45,000	2-1/4P	4-1/2P	3-1/2Q	4-1/2Q	5-1/2Q	1-3/4Q	2G
50,000	1-1/4Q	2-1/2Q	1G	1-1/4G	1-1/2G	2G	2-1/4G

Dry Acid Equivalents 4/5oz Muriatic Acid = 1oz Dry acid 1oz Muriatic Acid = 1-1/4oz Dry acid 1 Cup Muriatic Acid = 10oz Dry acid

1 Pint Muriatic Acid = 20oz Dry Pool Acid 1 Qt Muriatic Acid = 40oz Dry Pool Acid

Note: Use only clean plastic measuring cups and spoons with liquid or dry acid.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.



SAVE THESE INSTRUCTIONS.

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California Proposition 65
 **WARNING** 
This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
For more information: www.P65Warnings.ca.gov

Questions, issues or missing parts?

Before returning to your retailer, our customer service team is here to help.



Call Us: 909.628.0880

Email Us: customer@xtremepowerusa.com

Hours of Operation: 9am - 3pm PST Monday - Friday

PRODUCT MADE IN CHINA