

TOTAL HARDNESS TITRETS TEST



DESCRIPTION

Total Hardness Titrets Test provides a safe and easy method for determining hardness in the form of calcium and magnesium ions. Each Titret ampoule contains premeasured, vacuum-sealed liquid titrant. A flexible valve assembly containing red indicator fits over the tapered tip of the ampoule. Sample is drawn into the ampoule until a color change from blue to pink signals that the titration is complete. The liquid level in the ampoule corresponds to a scale marked in ppm total hardness on the ampoule's outer surface.

APPLICATION AND USE

Total Hardness Titrets test method is applicable to treated cooling water and makeup water.

See reverse side for test procedure.

TEST KIT CONTENTS

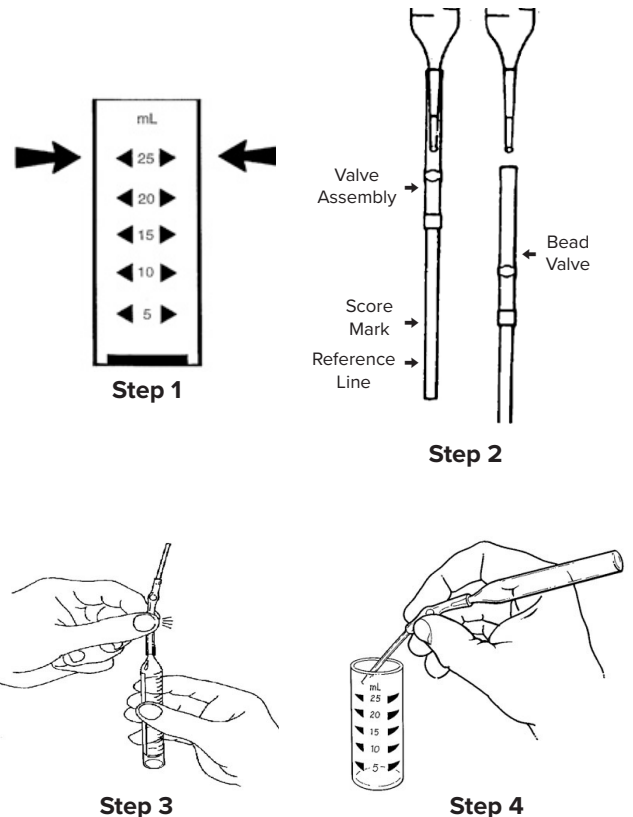
- 30 Titret Ampoules
- 30 Valve Assemblies
- 1 Sample Cup
- Instructions

PROCEDURE

1. Fill the sample cup to the 25-ml mark with sample (Step 1).
2. Slide the open end of the valve assembly over the tapered tip of the ampoule so that it fits snugly to the Reference Line (Step 2).
3. Snap the ampoule tip at the score mark (Step 3).
4. With the tip of the valve assembly immersed in the sample, squeeze the bead valve briefly to add a small amount of sample to the ampoule (Step 4).
NOTE: Do not squeeze the bead valve unless the tip of the valve assembly is immersed below the surface of the liquid.
5. Rock the ampoule to mix the contents. The contents will turn a **BLUE** color.

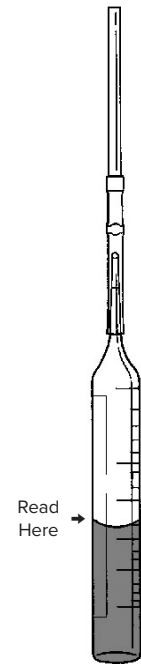


Total Hardness Titrets Test (PCN 0378019)



Contact your Drew Marine representative for more information

- Continue to add small amounts of sample until the liquid turns from BLUE TO PINK. Be sure to rock the ampoule to mix the contents after each addition of sample. When the color of the liquid changes to PINK, the end point has been reached. Stop the test, hold the ampoule with its tip pointed upward and read the scale opposite the liquid level to obtain the test results in ppm total hardness as calcium carbonate, CaCO_3 (Step 5).



Step 5



Contact your Drew Marine representative for more information

Drew Marine maintains Safety Data Sheets on all of its products. These documents contain health and safety information for the development of appropriate product handling procedures to protect your employees. Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.



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