

# The TREND

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**GET 2007 OF TO A GREAT START WITH THE NEW, IMPROVED CHEMTEX K-KITS!**

## The New K-Kits are a Great Value Loaded with Benefits!

- Sturdy, heavy-duty boxes look better and last longer
- Individual compartments keep reagents organized
- Larger boxes have room for spare bottles or extra reagents
- Easy-to-read instructions on inside box top
- Reagents listed with test instructions for easy re-order

## And Now, New Custom Kit Available

- Larger version of K-Kit case holds up to 24 bottles
- Build a custom kit with the specific tests needed for your customer's systems
- Order individual re-fill reagents or use R-codes to order a complete set for a given parameter

## Introducing the New Chemtex Test Supply Catalog!!

Coming soon...you will be able to order K-Kits, Chemtex reagents, AND all your other reagents and testing supplies from Hach, Taylor, LaMotte and Myron L.



Remember - order through the Chemtex Catalog and get a discount on Hach reagents!

Use the following three catalog pages to order The new K-Kits now!

Watch for the Complete catalog in Your mail this Spring!

**CHEMTEX**  
INTERNATIONAL CHEMTEX CORPORATION

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## Test Kits

### Alkalinity

#### Drop Test

Alkalinity is an expression of the total basic anions present in a solution. In cooling tower and boiler water analysis, it represents bicarbonate, carbonate and hydroxyl alkalinities. When testing for alkalinity, the sample is titrated with a dilute sulfuric acid solution to a specific pH endpoint. The pH endpoint for Phenolphthalein (P) Alkalinity is 8.3 and the pH endpoint for Methyl Purple (M) Alkalinity is approximately 4.6. Refill kits are available to purchase the reagents only and do not include test box, sample tubes or scoops. Instruction cards are provided with each refill kit.



Part Number	Description
K-100	P Alkalinity Test Kit (1 drop = 10 ppm)
K-125	P Alkalinity Test Kit (1 drop = 50 ppm)
K-150	P & M Alkalinity Test Kit (1 drop = 50 ppm)
K-200	M Alkalinity Test Kit (1 drop = 10 ppm)
K-225	M Alkalinity Test Kit (1 drop = 50 ppm)
K-250	P & M Alkalinity Test Kit (1 drop = 10 ppm)

#### Refill Kits

Part Number	Description
R-100	P Alkalinity Test Kit refill reagents (1 drop = 10 ppm)
R-125	P Alkalinity Test Kit refill reagents (1 drop = 50 ppm)
R-150	P & M Alkalinity Test Kit refill reagents (1 drop = 50 ppm)
R-200	M Alkalinity Test Kit refill reagents (1 drop = 10 ppm)
R-225	M Alkalinity Test Kit refill reagents (1 drop = 50 ppm)
R-250	P & M Alkalinity Test Kit refill reagents (1 drop = 10 ppm)

### Chloride

#### Drop Test



Chloride is tested to estimate cycles of concentration in boilers and cooling towers due to the high solubility of this anion. The Chloride Test kits utilize a chromate indicator and a silver nitrate titrating solution. Refill kits are available to purchase the reagents only and do not include test box, sample tubes or scoops. Instruction cards are provided with each refill kit.

Part Number	Description
K-300	Chloride Test Kit (1 drop = 10 ppm)
K-325	Low Chloride Test Kit (1 drop = 3 ppm)

#### Refill Kits

Part Number	Description
R-300	Chloride Test Kit refill reagents (1 drop = 10 ppm)
R-325	Low Chloride Test Kit refill reagents (1 drop = 3 ppm)

## Test Kits

### Hardness

#### Drop Test

Hardness of water is due to its calcium and magnesium content. Quantities are reported in terms of calcium carbonate. Because calcium and magnesium compounds are relatively insoluble in water, they tend to precipitate easily, causing scale and turbidity. A chelant solution is used to titrate to a specific endpoint. Refill kits are available to purchase the reagents only and do not include test box, sample tubes or scoops. Instruction cards are provided with each refill kit.



Part Number	Description
K-600	Hardness Test Kit (1 drop = 10 ppm)
K-625	Hardness Test Kit (1 drop = 2 ppm)
K-650	CaH Hardness Test Kit (1 drop = 10 ppm)
K-670	Total & CaH Hardness Kit (1 drop = 10 ppm)
K-680	Total & CaH Hardness Kit (1 drop = 2 ppm)

#### Refill Kits

Part Number	Description
R-600	Hardness Test Kit refill reagents (1 drop = 10 ppm)
R-625	Hardness Test Kit refill reagents (1 drop = 2 ppm)
R-650	CaH Hardness Test Kit refill reagents (1 drop = 10 ppm)
R-670	Total & CaH Hardness Kit refill reagents (1 drop = 10 ppm)
R-680	Total & CaH Hardness Kit refill reagents (1 drop = 2 ppm)

### Nitrite

#### Drop Test



Nitrite-based treatments are typically used as corrosion inhibitors in closed loop systems. The Nitrite Test kits utilize the ceric ammonium nitrate (CAN) method, which is the recommended method for closed loops, including glycol systems. Refill kits are available to purchase the reagents only and do not include test box, sample tubes or scoops. Instruction cards are provided with each refill kit.

Part Number	Description
K-700	Nitrite Test (0.5 ml = 170 ppm)
K-725	Nitrite Test (1 drop = 20 and 40 ppm)

#### Refill Kits

Part Number	Description
R-700	Nitrite Test refill reagents (0.5 ml = 170 ppm)
R-725	Nitrite Test refill reagents (1 drop = 20 and 40 ppm)

## Test Kits

### Phosphonate

#### Drop Test

The Palintest PK-158 Test Kit can be used to determine AMP and HEDP phosphonates. The kit utilizes a convenient tablet form indicator and masking agent with a thorium nitrate titrating solution.

Part Number	Description
PK-158	Palintest Organophosphonate Test Kit



### Sulfite

#### Drop Test



Sodium sulfite is used as an oxygen scavenger in boiler feedwater to remove dissolved oxygen, which is highly corrosive. A Potassium Iodide/Iodate solution is used to titrate to a specific endpoint using Starch Acid Indicator. Refill kits are available to purchase the reagents only and do not include test box, sample tubes or scoops. Instruction cards are provided with each refill kit.

Part Number	Description
K-400	Sulfite Test Kit (1 drop = 2 ppm)
K-425	Sulfite Test Kit (1 drop = 5 ppm)

#### Refill Kits

Part Number	Description
R-400	Sulfite Test Kit refill reagents (1 drop = 2 ppm)
R-425	Sulfite Test Kit refill reagents (1 drop = 5 ppm)

### Test Kits - Custom, Multi-parameter

The Combination Test Case has compartments for up to 24 reagents. This case will enable you to create a custom kit to fit your specific needs. Just order the APTKCASE200 and select the refill kit part numbers for the desired test parameters. Then add a scoop for each powder reagent and a couple of sample tubes and your kit is complete. Instruction cards are provided with each refill kit.

Part Number	Description
638-00	Scoop, 0.2 g
9198	Sample Tube, 25 ml, plastic
APTKCASE200	Combination Test Case

