

TEST KITS



ALPHAPAK 2 TEST KIT

LOW PRESSURE BOILER WATER TEST KIT (P-Alkalinity, Chloride, pH)

DESCRIPTION

ALPHAPAK 2 TEST KIT is used for measuring the chemical quality of low-pressure boilers water, in order to be kept within the recommended limits. It is a compact test kit package for ensuring the optimum protection against corrosion and scale formation.

APPLICATION

Corrosion protection and scale formation inhibition of the low-pressure boilers, via measuring the water chemical parameters.

USE

P. Alkalinity Test (ppm CaCO₃) - Recommended range: 150-300 ppm

1. Take a 200ml water sample in the container provided.
2. Add one P.Alkalinity tablet and shake to disintegrate. If P.Alkalinity is present the sample will turn blue.
3. Repeat tablet addition until the blue colour changes to permanent yellow.

CALCULATION: P.Alkalinity as CaCO₃ (ppm) = (Number of tablets used x 20) – 10

Chloride Test (ppm Cl) - Recommended limit: max. 200 ppm

1. For boilers under 30bar, take a 50ml water sample in the container provided.
2. Add one chloride tablet and shake to disintegrate. Sample should turn yellow if chlorides are present.
3. Repeat tablet addition, one at a time until the yellow colour changes to orange/brown.

CALCULATION: Chloride as Cl (ppm) = (Number of tablets used x 20) – 20

For higher expected Chloride levels, reduce the water sample volume. For example, 25ml sample will give steps of 40ppm per tablet used. For lower expected Chloride levels, increase the water sample size. For example, 100ml sample will give steps of 10ppm per tablet used.

Condensate pH - Recommended range: 8.5-9.2

Dip the test strip into the sample and be sure to have all colour bands immersed. Allow to soak for 15 seconds then remove and compare to the colour chart.

CONTENTS

- Instructions
- P.Alkalinity Test Tablets (2 bottles bottle of 250 tablets each)
- Chloride Test Tablets (2 bottle of 250 tablets each)
- pH Test Papers 0-14 (packet of 100 pieces)
- 250ml glass bottle
- Stirring Rod

- ✓ Helps with maintaining optimum corrosion protection
- ✓ Helps with preventing scale formation
- ✓ Protects valuable equipment assets
- ✓ Simple to use
- ✓ Sturdy plastic case
- ✓ Test methods included

PROBLEMS SOLVED

- ✓ Corrosion and scale formation on low-pressure boilers
- ✓ Chemical properties of low-pressure boilers water

APPLICATION AREAS

- ✓ Low-pressure boilers water

PRODUCT CODE: WT 346