

# AGK-100 TREATMENT TESTING PROGRAM



## DESCRIPTION

AGK-100 boiler and feedwater treatment is a unique one-drum product which contains alkali, phosphate, oxygen scavenger and neutralizing amine in a complete treatment. It combines a complete package of chemical additives with the convenience of a simple testing and dosing program. AGK100 boiler and feedwater treatment is applicable in most low pressure boiler applications.

Boiler water hydrate alkalinity and neutralized conductivity are used to control the treatment program, and boiler water phosphate is used as a secondary assurance test. Reference tests include feedwater hardness and condensate pH. Hydrazine is also tested to ensure that there is a reserve to react with oxygen, which may enter the system.

Supplemental AMERZINE® corrosion inhibitor dosage is necessary only when the hydrazine level is not maintained by AGK-100 treatment dosage alone.

When combined with an onboard graphing log and trained field service personnel, the AGK-100 testing program affords accurate control of the treatment program. In addition, our worldwide team of field service representatives is backed by an experienced technical and research staff who can help solve unusual problems.



Hydrate Alkalinity Test Kit  
(PCN 0388018)



AMERZINE corrosion inhibitor Ampoule Test Kit  
(PCN 0369018)

## FEATURES

- Only three control tests
- Self-contained kits
- Ampoule testing methods
- Onboard graphic logs
- Experienced field service representatives
- Worldwide inventory

## BENEFITS

- Quick and easy control program
- No bulk reagent bottles or complex equipment to use and store
- Simple to use
- Minimize operator contact with reagents
- Immediate visual feedback on program control
- Expect assistance and problem solving in major ports worldwide
- Ready availability where and when needed



Contact your Drew Marine representative for more information



Boiler Phosphate Ampoule  
(PCN 1AA0003)

## THE PROGRAM

**Hydrate Alkalinity:** Tested to monitor the amount of hydroxide alkalinity in the system. Caustic adjusts the boiler water pH and is involved in the reaction with phosphate to produce non-adherent sludges.

**Neutralized Conductivity:** Tested to control blowdown and measure the ability of a solution to conduct an electrical current. The boiler water sample must be neutralized to avoid excess conductivity measurement from hydroxide ions or alkaline salts.

**Phosphate:** Tested to ensure that the treatment is being dosed in sufficient quantities to react with incoming hardness and provide a safety reserve. The boiler water sample should be filtered before testing.

**Hydrazine:** Tested to ensure that there is a reserve to react with any oxygen which may enter the system, thus minimizing corrosion from oxygen. Supplement with AMERZINE® corrosion inhibitor as necessary.

**Condensate pH:** Tested periodically for reference purposes. A slightly alkaline pH minimizes corrosion of non-ferrous metals.

**Hardness:** Tested periodically to check feedwater water quality. This is especially important if low phosphate readings cannot be explained by high volume blow-down or insufficient dosage.

## TEST KITS

Description	PCN
Hydrate Alkalinity Test Kit	0388018
Boiler Phosphate Ampoule Test Kit	1AA0003
AMERZINE Ampoule Test Kit	0369018
Conductivity Kit	0173013
Filter Paper	0225012
Funnel	0221010



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