



SHIPSAFE® Marine Boiler & Cooling Water Test Options

**Spectrapak Tablet Count
Marine Boiler & Cooling Water Test Options**

Glyscorr® G93 - 94 Cooling Water Comparator Test Kit



SHIPSAFE® Marine Boiler and Cooling Water Test Options

The Insatech range of SHIPSAFE® marine boiler and cooling water test kits are designed to monitor water treatment chemicals added to diesel engine cooling systems and low, medium or high pressure boilers. The SHIPSAFE® range of reagents supplied are non-hazardous for shipping and the products have been specially selected and combined into a range of specific, fully portable test kits for easy convenient testing on-site. Upgrades are available depending upon treatments used.



SHIPSAFE® Boiler and Cooling Water Test Kits

Engine cooling systems contain carefully blended additives that prevent scale deposits and corrosion of engine waterways. It is very important that the concentration is maintained at the correct level for optimum protection.

Low, medium and high pressure steam boilers are also treated with special corrosion and scale inhibitors. It is vitally important to maintain precise levels of these additives to ensure correct and efficient steam generation. Failure to regularly maintain and monitor treatments will inevitably end in system failure and expensive corrective maintenance.

Insatech supply treatment test kits for engine cooling water and steam boiler water. The kits are very simple to operate and will enable the ships engineer to monitor scale and corrosion concentrations. Regular testing will allow rapid corrective action to take place helping you to maintain optimum operating conditions, minimise downtime and reducing energy costs.

Optional Upgrades:

INS-B100042 7021 CON/TDS Stick Meter
INS-B100178 DEHA 0 - 0.5 ppm
INS-B100037 Glycol Refractometer
INS-B100183 Hydrazine 0 - 5 ppm
INS-B100174 Phosphate 0 - 100 ppm
INS-B100180 Sulphate 0 - 200 ppm
INS-B100352 Sulphite 20 - 150 ppm
INS-B100181 Tannin 0 - 200 ppm
INS-B100030 Suspended Solids 5 - 500 ppm



INS-K100171 Marine Boiler Water Kit

Contents:

Plastic Case and Foam	1
Alkalinity (P) 0 - 2400 ppm (100)	1
Chloride 20 - 12000 ppm (100)	1
pH Test Strips 7 - 14 (100)	1
Instruction Manual	1

INS-K100172 Marine Cooling Water Kit

Contents:

Plastic Case and Foam	1
Chloride 20 - 12000 ppm (100)	1
Nitrite 10 - 2000 ppm (100)	1
pH Test Strips 4 - 10 (100)	1
Instruction Manual	1

INS-K100173 Marine Boiler & Cooling Water Kit

Contents:

Plastic Case and Foam	1
Alkalinity (P) 0 - 2400 ppm (100)	1
Chloride 20 - 12000 ppm (100)	1
Nitrite 10 - 2000 ppm (100)	1
pH Test Strips 4 - 10 (100)	1
pH Test Strips 7 - 14 (100)	1
Instruction Manual	1

Spectrapak® Tablet Count Boiler and Cooling Water Test Kit Options

Tablet count methods have been historically used in the marine industry. The tablet count process forces the sample water to change colour based on the number of tablets added. The value can then be determined on a conversion table based on the number of tablets it takes for the colour to change.

Tablet count methods are classed as hazardous for shipping and less accurate than the recently developed drop test methods. For non-hazardous options please refer to the SHIPSAFE® range of boiler and cooling water test kits.



INS-K100606 Spectrapak® 310 Boiler Water Kit

Contents:

Plastic Case and Foam	1
Alkalinity (P) Tablets (250)	2
Chloride Tablets (250)	2
pH Test Strips 7 - 14 (100)	1
Instruction Manual	1

INS-K100437 Spectrapak® 309 Cooling Water Kit

Contents:

Plastic Case and Foam	1
Chloride Tablets (250)	1
Nitrite No 1 Tablets (100)	1
Nitrite No 2 Tablets (250)	2
pH Test Strips 4 - 10 (100)	1
Instruction Manual	1

INS-K100749 Spectrapak® 313 DEHA Kit

Contents:

Plastic Case and Foam	1
DEHA Test Solution 1 (65ml)	1
DEHA Test Solution 2 (30ml)	1
Comparator Unit	1
Comparator Unit 10ml Cell	2
DEHA Comparator Disc 0 - 0.5 ppm	1
Instruction Manual	1

INS-K100960 Spectrapak® 312 Hydrazine Kit

Contents:

Plastic Case and Foam	1
Hydrazine Test Powder (40g)	1
Comparator Unit	1
Comparator Unit 10ml Cell	2
Hydrazine Comparator Disc 0 - 5 ppm	1
Instruction Manual	1

Chloride Test Kit for Cooling Water Treated with Glyscorr® G94-94

Glyscorr® G93-94 is an inhibitor concentrate which is added to the cooling water in trucks, locomotives, on ships, or other combustion engines. At a concentration of 10% by volume, Glyscorr® G93-94 affords excellent protection against cavitation and corrosion to all engine metal and alloys, providing that chloride levels in the cooling system remain below 100ppm (mg/l).

The coolant mixture should be prepared with tap, demineralised or deionised water. If tap water is used then it is essential that chloride and hardness levels are below the recommended maximum concentrations; 100ppm (mg/l) and 360ppm (mg/l) respectively. Regular monitoring of chloride is essential to ensure no sea water contamination occurs during operation.

The Insatech Glyscorr® chloride test is specially designed to determine chloride levels in 10% working inhibitor solution, ensuring optimum conditions for corrosion protection. A hardness test is also available to ensure dilution water used stays within specification.

INS-K100761 Glyscorr® Test Kit

Contents:

Plastic Case and Foam	1
Chloride Reagent A (30ml)	2
Chloride Reagent B (65ml)	1
GF/C Filter Papers (50)	1
Filter Holder	1
Comparator Unit	1
Comparator Unit 10ml Cell	2
Glyscorr® Comparator Disc 0 - 100ppm	1
10ml Syringe	1
2ml Syringe	1
Instruction Manual	1

INS-K100366 Total Hardness LR & HR Drop Test Kit 0 - 1200ppm

Contents:

Plastic Case and Foam	1
Titration Jar 60ml	1
20ml Syringe	1
10ml Tube with Cap	1
TH2 Total Hardness Buffer (65ml)	1
TH3 Total Hardness LR Titrant (65ml)	1
TH4 Total Hardness HR Titrant (65ml)	1
TH5 Total Hardness Indicator (65ml)	1
Instruction Manual	1

INS-P100762 Glyscorr® Replacement Reagent Pack

Contents:

Chloride Reagent A (30ml)	2
Chloride Reagent B (65ml)	1
GF/C Filter Papers (50)	1
Comparator Unit 10ml Cell	2
10ml Syringe	1
2ml Syringe	1

INS-P100962 Total Hardness LR & HR Replacement Reagent Pack

Contents:

TH2 Total Hardness Buffer (65ml)	1
TH3 Total Hardness LR Titrant (65ml)	1
TH4 Total Hardness HR Titrant (65ml)	1
TH5 Total Hardness Indicator (65ml)	1

