

S754

COOLING WATER COMPOUND – A.I.R.

This product is formulated in compliance with Alberta Infrastructure Regulations for cooling towers. It is a concentrated corrosion and scale preventative compound for cooling towers and condenser feed water, ideally suited for use in open recirculating cooling towers.

It contains anti scaling agents, cathodic and anodic inhibitors, and will prevent corrosion of both steel and soft metals. It allows high cycles of concentration by controlling scale.

DIRECTIONS:

Dosage rate will vary according to local operating conditions and cycles of concentration. As an initial treatment, add 1 part product to each 2000 parts of water in the system.

Maintain dosage amount at the same rate with respect to the volume of make-up water times the cycle of concentration.

Example: Two cycles of concentration - 1 part to 4000 parts of water.

Three cycles of concentration - 1 part to 6000 parts of water.

The product can be added manually or with automatic continuous feeding equipment.

The feed rate should be adjusted to maintain the specifications listed below. The analysis of the cooling water should include tests for alkalinity, pH, organophosphonates or polyphosphates. Alkalinity of feedwater should also be measured periodically.

SPECIFICATIONS:

Cooling water pH should be maintained in the range of 8.0 – 9.0.

Conductivity should be set in the range of ~950 μ mhos and adjusted later if required.

M-alkalinity should be in the range of 50 - 150 ppm. This reading however should be taken in context with the other readings and consideration must be given to the natural alkalinity in the feed water.

Organo Phosphonate Test Kit: the results should be 25 - 30 ppm. The type of phosphonate is AMP (NTP).

Polyphosphate Test Kit: the results should be 10 – 20 ppm as PO₄.

NOTE: This product contains 10 parts organo phosphonate to 7 parts polyphosphate.

Phosphonate PO ₄	Polyphosphate PO ₄
15 ppm	10.5 ppm
20 ppm	14 ppm
25 ppm	17.5 ppm
30 ppm	21 ppm

FOR COMMERCIAL USE

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Intertek