

HYDRO 426

CORROSION INHIBITOR

Description

Hydro 426 is an alkaline liquid containing nitrite. **Hydro 426** is formulated for the complete protection against corrosion in closed loop, chilled, heating hot water and brine recirculating systems.

Hydro 426 contains a specific corrosion inhibitor for copper, brass, bronze and multi-metal systems. **Hydro 426** is approved for use in diesel engine cooling systems.

Properties

Colour	Clear yellow liquid
Odour	Slight
Specific Gravity	min. 1.10
pH	11.0 – 13.0

Method of Application

Hydro 426 should be slug dosed directly to the system by means of a pump, by-pass slug dosing pot, or via the make up tank.

Dosage Procedure

Passivation

Initially, in order to obtain the required protective film over the metal surfaces, a passivation dose of 1.5% **Hydro 426** by volume of water in the system should be added. This will give a nitrite concentration of 2000 mg/l (as NO₂).

The procedure must be repeated whenever the inhibitor residual falls below the minimum maintenance level.

Hydro 426 is a stable product, hence after the initial dose subsequent additions will only be required when water is lost from the system.

Maintenance level

To retain the correct concentration of **Hydro 426** the level of nitrite should be maintained above 1000mg/l, and pH between 8.0 - 10.0.

Under normal conditions, pH adjustment should not be necessary as the alkalinity in the **Hydro 426** is sufficient to maintain pH within recommended levels.

If necessary, the pH may be raised by the addition of Hydro 590.

Service

The necessary test kit, relevant technical advice and service are available from **Hydro-Chem**.

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