



CoolFlow IG



Industrial Antifreeze

based on
Mono Ethylene Glycol
with
**corrosion, scale &
algae inhibitors**

Properties & Benefits

- Multi-Metal Corrosion Inhibitors
- Extended chiller life with minimal downtime
- Scale & Sludge mobilisers to maximise heat transfer rates & eliminate blockages
- Frost Protection to - 50°C
- Boiling Point : up to 165°C
- Coolant Maintenance Program available
- Tracer Dyes, available in several colours
- Bitter taste additives to prevent consumption
- Density : 1.04 - 1.20 depending on inhibitors
- Non-Volatile and Non-Hazardous for storage
- 7.5 to 10 pH depending on inhibitors

Product Information

CoolFlow IG is the industrial grade antifreeze from the CoolFlow range of secondary refrigerants. It is designed for use in industrial systems. It contains synergistic inhibitors to protect chillers and their associated cooling systems against corrosion, scale & algae, thus allowing maximum heat transfer. CoolFlow IG is based on mono ethylene glycol and has excellent frost protection characteristics. Please refer to our technical application sheet for further information.

CoolFlow IG can be dyed and/or a bitter taste additive added, to deter human consumption and for identifying leaks.

Application

CoolFlow IG is best diluted with UltraPure, demineralised, or softened water. For exact proportions to achieve the desired frost protection, please refer to the Technical Info sheet.

Coolant Maintenance Program (CMP)

The CMP verifies coolant concentration & condition, including inhibitor reserves. It also helps to identify corrosion by-products and any biological activity. Please ask for details.

Availability

CoolFlow IG is packed in 25L, 205L UN drums and 1000L IBC's. 20 tonnes+ is always kept in stock and can be despatched within hours.

Storage

CoolFlow IG should be stored in cool, dry conditions and drums should be kept sealed. It is not classed as hazardous for transport purposes.

Health & Safety

Please consult the associated Material Safety Data Sheet for detailed safety information.

IS YOUR COOLING SYSTEM PROTECTED OR DOES IT LOOK LIKE THIS?



PROTECT YOUR INVESTMENT & PREVENT DOWNTIME - USE COOLFLOW INHIBITED COOLANTS

CoolFlow Specialist Antifreeze & Secondary Refrigerants - from Hydratech

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Core Technical Info for CoolFlow IG

Product : Industrial Antifreeze based on monoethylene glycol with corrosion, scale & algae inhibitors.
Appearance : Very pale straw colour, unless dyed to customer requirements.
Density : 1.08 –1.2 depending on inhibitors.
PH : 7.5 – 10.0 depending on inhibitors.
Boiling point : >150° C

Properties

CoolFlow IG is a clear technical grade product with a barely perceptible odour. It is based on mono ethylene glycol with a powerful blend of well-accepted corrosion inhibitors for multi-metal systems, such as those found in chiller and HVAC systems. CoolFlow IG also has additional anti-scale capabilities thus ensuring a high thermal efficiency. It can be used as a coolant and/or heat transfer fluid but is not recommended for the food processing or water purification industries (see CoolFlow FG, FX80 and LV). CoolFlow IG is miscible with water in all proportions and can protect systems down to –50 Deg. C depending on concentration.

Application of CoolFlow IG

Note the system waterside volume. Dose the CoolFlow IG to the system according to the operating temperature (Fig.I guide below) and the system volume. The minimum dose of CoolFlow IG should not usually be less than 25% of the system volume and the maximum does not normally exceed 60%. We recommend the use of deionised or distilled water for this dilution. Avoid water containing high levels of calcium salts or Chlorides [Cl⁻].

Dosing Guide for CoolFlow IG

Freezing point ° C	% v/v of CoolFlow IG in the system
-5	10%
-10	20%
-15	27%
-20	32%
-25	37%
-30	41%
-35	45%

Safety : CoolFlow IG is classed as harmful if swallowed and may cause irritation to skin and eyes. Please see the safety data sheet for more information about the product and its handling.

Shelf Life : CoolFlow IG has a shelf life of at least 3 years in airtight containers.

Availability : CoolFlow IG is available in 25, 205 & 1000 litre containers.

PROTECT YOUR INVESTMENT!...USE COOLFLOW IG... WITH CORROSION & SCALE INHIBITORS

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