

# YDRO PROCESS® 5

## Technical Data Sheet

### Domestic cooling and heating systems

#### Description

The YDRO PROCESS® 5 is a product containing a specially formulated range of microorganisms capable of treating domestic cooling and heating systems. The high performance anaerobic, facultative and aerobic microorganisms in conjunction with the contained minerals, micronutrients, vitamins and amino acids create ideal conditions for the optimisation of closed loop water cooling and heating systems. It increases and sustains the bacterial activity in a variety of operational conditions, reduces scaling and corrosion of the equipment and reduces maintenance costs. It accelerates biological operations, hydrolyses biodegradable compounds at a high rate, degrades organic compounds, breaks down fats, oils and grease and eliminates the production of odours without harming any facility or equipment. The application is easy, user friendly and creates no environmental effect or hazard.

#### Applications

Domestic cooling and heating systems

Closed cooling and heating water loops in hotel groups, shopping malls, airports, academic institutions, supermarkets, aviation etc.

#### Storage, Handling and Disposal

Please store product at room temperature, with low humidity and away from direct sunlight. Storing in high temperature or high humidity for extended periods will harm the product and affect its efficiency significantly.

Do not use on food surfaces, do not inhale possible dust, wash hands thoroughly after handling.

Dispose container according to local regulations.

#### Directions for use

This product must be applied after maturing for at least 12 hours, preferably in non-chlorinated water. The maturation process, the exact dosing points and the exact daily dosage are decided according to the quality of the contained impurities, the available water circuit and the available treatment facility (if any). The initial dosage is usually increased. Several days may be required in order to achieve complete success.

#### Physical properties

Colour .....	light brown
Appearance .....	powder
Odour .....	yeast-like
Relative density .....	0.60 – 0.65 gr/cm <sup>3</sup>
Bacterial cultures .....	<1 wt%
pH range .....	6.0 – 9.0
Temperature range .....	5°C – 60°C
Carrier content .....	>99 wt%
Solubility .....	soluble in water
Degradability .....	biodegradable
Shelf-life .....	3 months

#### Key Benefits – Results

- Reduces scaling of the equipment
- Reduces the usage of chemicals
- Reduces fouling of equipment
- Reduces maintenance costs
- Improves overall efficiency of current systems
- No structural modifications required
- Reduces algae formation and odours
- Decelerates corrosion
- Reduces/eliminates foaming
- Promotes organic content degradation
- Liquefies fats, oils and grease (F.O.G.)
- Non-toxic and naturally occurring product
- Non-genetically modified product
- Environmentally safe
- Does not harm equipment or tanks
- Easy activation and application
- 100% biodegradable

#### Available packaging

Bulk: 1kg, 2kg, 5kg, 10kg, 250kg