



Hydr'Asept®

Healthy and environment-friendly disinfection

Non toxic

Effective and long-lasting action

Universally applicable

Based on stabilised hydrogen peroxide

Extensively tested





Hydr'Asept®

- Hydr'Asept® ensures that drinking water is healthy, crystal clear and continuously disinfected.
- Hydr'Asept® improves technical and economic results through healthier animals.



CLEANING

DECONTAMINATION

ALGICIDE

PH-REDUCING

STALL CLIMATE

Hydr'Asept® cleans drinking water pipes, destroys the existing biofilm and prevents biofilm formation.

Hydr'Asept® provides perfect disinfection of the drinking water.

Hydr'Asept® is effective against bacteria, viruses, amoebae, mould, algae... and helps prevent the development of pathogenic organisms. Because Hydr'Asept is odourless and colourless, drinking water qualities such as taste and smell remain unchanged.

Hydr'Asept® removes algae and prevents new algae formation in pipes.

Depending on the drinking water hardness, a single dose of 100ml Hydr'Asept® per 1000L drinking water reduces the pH by approximately 0.2 to 0.7.

By spraying Hydr'Asept® in the stall, the stall air is disinfected, enabling the stall climate to improve significantly (for layers, fattening pigs, etc.)



EFFECTIVENESS OF HYDR'ASEPT® / ANTIMICROBIOLOGICAL EFFECT

Hydr'Asept® has been found to be effective against all micro-organisms, and more specifically:

Bacteria : Gram-positive and gram-negative bacteria, bacteriophages, viruses, spore-forming organisms, yeast, mould, amoebae.

Pathogens : Bacillus anthracis, amoebae, cholera, ECBO, herpes, hepatitis, HIV, flu, legionella, listeria, meningitis, MRSA, mycoderins, Newcastle disease, pseudo-rabies, tuberculosis, vaccinia, VRE.

Biofilm : Unlike other disinfecting agents, Hydr'Asept® can also destroy biofilms. Viruses and bacteria form biofilms around themselves as a natural protection. The oxygen that is formed from the hydrogen peroxide destroys the biofilm, enabling the silver to destroy the bacteria and viruses.

Tested pathogens:

Aspergillus Niger, Campylobacter jejuni, Candida albicans, Clostridium perfringens, Clostridium sporogenes, Corynebact., Cryptomonas sp., Enterococcus faecalis, Escherichia coli, Fusarium spp., Herpes simplex type 1, HIV-1, Influenza A virus, Listeria monocytogenes, Mycobacterium spez., Newcastle Disease virus, Pasteurella, Penicillium, Proteus vulgaris, Pseudomonas aeruginosa, Saccaromyces cerevisiae, Salmonella enteritidis, Salmonella sp., Salmonella typhimurium, Staphylococcus aureus, Streptococcus faecalis, Tuberculosis (Mycobacterium Tuberculosis, resistant strain H37RV), Vaccina virus,... **Full information at www.novuswater.com**



SILVER CONTENT

WHO guidelines for human drinking water are 100 µg/l

Hydr'Asept® 20 ppm contains +/-8 µg/l silver. That is significantly lower than the WHO guideline.

COMPARISON: HYDR'ASEPT® VERSUS CHLORINE

	Hydr'Asept	Chlorine
Long-term effectiveness	Very long	Short to average, depending on temperature
Effect on algae	Yes	Limited
Effect on mould	Yes	Limited
Risk of overdose	Virtually nil	Yes
Carcinogen / mutagen	No	Metabolons: yes

Hydr'Asept® produces an oxidation potential which is 28 times greater than that of chlorine. The oxygen released by Hydr'Asept® and that permits oxidation will oxidise iron and hydrogen sulphide much faster than chlorine.

	Hydr'Asept®	Aldehyden	Quaternary ammonium compounds	Phenols	Halogens
Spectrum effect	Gram-pos. & -neg. bacteria, fungi, yeast, spores, non-enveloped and enveloped viruses, amoebae, protozoa and biofilms.	Gram-pos. & -neg. bacteria, fungi, ferments, spores, micro-organisms, non-enveloped and enveloped viruses.	Gram-pos. bacteria, ferments, fungi, algae, herpes virus.	Gram-pos. & -neg. bacteria, ferments, enveloped viruses.	Gram-pos. & -neg. bacteria, fungi, yeast, spores, enveloped viruses.
Tolerance to proteins	Excellent	Poor	Poor	Excellent	Poor
Surface reaction	Excellent	Strong development of steam	Surface residues	Occlusion caused by rubber and plastic materials	Surface residues
Taste / Odour	Odourless	Unpleasant odour	Odourless	Strong	Strong
Risk category in water	0	1-2	3	1-2	2-3
Stability after dilution	Excellent level of reusability.	Unusable after short period.	Unusable after short period.	Onbruikbaar na korte periode.	Reusable if properly stored.
Stability under rising temperature	Excellent	Poor	Average	Poor	Very poor
Biological breakdown in water purification units	100% after 2-4 hours	Good, but needs neutralisation	90% after 5 days	100% after 3-7 days	Very poor, neutralisation

Hydr'Asept®

Ecological

Safe & Healthy

Effective

} = Drinking water treatment with Hydr'Asept®

Dosage

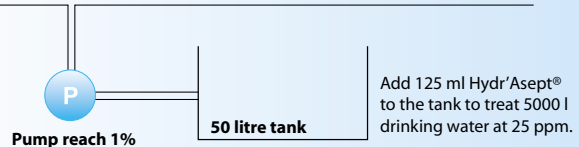
Hydr'Asept® makes it possible to maintain or improve your animals' drinking water to ensure perfect quality. Hydr'Asept® must be added continuously to the drinking water at a dosage of 25 to 50 ppm (ppm stands for *parts per million* and is equivalent to ml per 1000L) depending on the level of pipe contamination.

When using a traditional metering pump a premixture must be prepared in the following way:

Reach of available pump: 1%
Supply tank volume: 50L
Desired Hydr'Asept® dosage: 25ppm (25 ml per 1000L)
Premixture to be prepared: 50L water + 125ml Hydr'Asept®

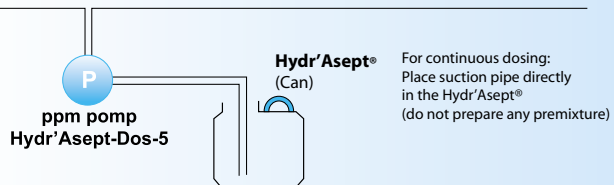
Preferably using demin or reverse osmosis water

Drinking water pipe



These pumps can draw Hydr'Asept® directly from the original packaging (see picture)

Drinking water pipe



Test kits

You can check the Hydr'Asept® dosage using a test kit.

By testing the drinking water at the end of the installation, you can determine whether or not you have added sufficient Hydr'Asept® to the drinking water. The required dosage quantity of Hydr'Asept® is dependent on the size of the drinking water installation and whether or not a biofilm is present.

Various kits are available depending on the desired accuracy of the measurement.

Visit our website for more information.

Manufacturer:

Distributor:



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