

PATHOGEN Pathogene	
	DOSERING Dosis Water = O3-gas opgelost in water / Lucht = O3-gas in lucht. Ozonworld Ozonic-Pro-Pro-X en HOME machines produceren onder geschikte gebruiksomstandigheden 5-8PPM O3-gasconcentraties.
<i>Aspergillus Niger</i> (Black Mould)	Destroyed by 1.5 to 2 mg/l
Bacillus Bacteria	Destroyed by 0.2 m/l within 30 seconds
<i>Bacillus Anthracis</i> (causes anthrax in sheep, cattle and pigs. Also a human pathogen)	Ozone susceptible
<i>Bacillus cereus</i>	99% destruction after 5-min at 0.12 mg/l in water
<i>B. cereus</i> (spores)	99% destruction after 5-min at 2.3 mg/l in water
<i>Bacillus subtilis</i>	90% reduction at 0.10-ppm for 33 minutes
Bacteriophage f2	99.99% destruction at 0.41 mg/l for 10-seconds in water
<i>Botrytis cinerea</i>	3.8 mg/l for 2 minutes
Candida Bacteria	Ozone susceptible
<i>Clavibacter michiganense</i>	99.99% destruction at 1.1 mg/l for 5 minutes
<i>Cladosporium</i>	90% reduction at 0.10-ppm for 12.1 minutes
Clostridium Bacteria	Ozone susceptible
Clostridium Botulinum Spores. Its toxin paralyzes the central nerve system, being a poison multiplying in food and meals.	0.4 to 0.5 mg/l threshold value
Coxsackie Virus A9	95% destruction at 0.035 mg/l for 10-seconds in water
Coxsackie Virus B5	99.99% destruction at 0.4 mg/l for 2.5-minutes in sludge effluent
Diphtheria Pathogen	Destroyed by 1.5 to 2 mg/l
Eberth Bacillus (Typhus abdominalis). Spreads typically by aqueous infection and causes typhoid.	Destroyed by 1.5 to 2 mg/l
Echo Virus 29: The virus most sensitive to ozone.	After a contact time of 1 minute at 1 mg/l of ozone, 99.999% killed.
Enteric virus	95% destruction at 4.1 mg/l for 29 minutes in raw waste water
Escherichia Coli Bacteria (from feces)	Destroyed by 0.2 mg/l within 30 seconds in air
E-coli (in clean water)	99.99% destruction at 0.25 mg/l for 1.6 minutes
E-coli (in wastewater)	99.9% destruction at 2.2 mg/l for 19 minutes
Encephalomyocarditis Virus	Destroyed to zero level in less than 30 seconds with 0.1 to 0.8 mg/l.
Endamoebic Cysts Bacteria	Ozone susceptible
Enterovirus Virus	Destroyed to zero level in less than 30 seconds with 0.1 to 0.8 mg/l.
<i>Fusarium oxysporum</i> f.sp. lycopersici	1.1 mg/l for 10 minutes
<i>Fusarium oxysporum</i> f.sp. melonogea	99.99 % destruction at 1.1 mg/l for 20 minutes
GDVII Virus	Destroyed to zero level in less than 30 seconds with 0.1 to 0.8 mg/l.
Hepatitis A virus	99.5% reduction at 0.25 mg/l for 2-seconds in a phosphate buffer
Herpes Virus	Destroyed to zero level in less than 30 seconds wit 0.1 to 0.8 mg/l.

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Influenza Virus	0.4 to 0.5 mg/l threshold value
Klebs-Loffler Bacillus	Destroyed by 1.5 to 2 mg/l
<i>Legionella pneumophila</i>	99.99% destruction at 0.32 mg/l for 20 minutes in distilled water
Luminescent Basidiomycetes (species having no melanin pigment).	Destroyed in 10 minutes at 100-ppm
<i>Mucor piriformis</i>	3.8 mg/l for 2 minutes
<i>Mycobacterium avium</i>	99.9% with a CT value of 0.17 in water (scientifically reviewed document)
<i>Mycobacterium fortuitum</i>	90% destruction at 0.25 mg/l for 1.6 minutes in water
Penicillium Bacteria	Ozone susceptible
<i>Phytophthora parasitica</i>	3.8 mg/l for 2 minutes
Poliomyelitis Virus	99.99% kill with 0.3 to 0.4 mg/l in 3-4 minutes
Poliovirus type 1	99.5% destruction at 0.25 mg/l for 1.6 minutes in water
Proteus Bacteria	Very susceptible
Pseudomonas Bacteria	Very susceptible
Rhabdovirus virus	Destroyed to zero level in less than 30 seconds with 0.1 to 0.8 mg/l
Salmonella Bacteria	Very susceptible
<i>Salmonella typhimurium</i>	99.99% destruction at 0.25 mg/l for 1.67 minutes in water
Schistosoma Bacteria	Very susceptible
<i>Staph epidermidis</i>	90% reduction at 0.1-ppm for 1.7 min
Staphylococci	Destroyed by 1.5 to 2.0 mg/l
Stomatitis Virus	Destroyed to zero level in less than 30 seconds with 0.1 to 0.8 mg/l
Streptococcus Bacteria	Destroyed by 0.2 mg/l within 30 seconds
<i>Verticillium dahliae</i>	99.99 % destruction at 1.1 mg/l for 20 minutes
Vesicular Virus	Destroyed to zero level in less than 30 seconds with 0.1 to 0.8 mg/l
<i>Virbrio Cholera</i> Bacteria	Very susceptible
<i>Vicia Faba progeny</i>	Ozone causes chromosome aberration and its effect is twice that observed by the action of X-rays