



























Comparison Component	Ozone (O³)	Hydrogen Peroxide (H ₂ O ₂)	Peroxyacetic Acid (POA)	Hypochlorus Acid (HOCl)	Chlorine (CL ₂)	Chlorine Dioxide (CLO ₂)	Quaternary Ammonium Compounds	Phenols (C ₆ H ₆ O)	lodoph or (I ₂)
Giardia	YES	NO	NO	NO	NO	YES	NO	NO	NO
Cryptosporidium spp.	YES	МО	NO	NO	NO	YES	NO	NO	NO
Rotavirus	YES	YES	YES	YES	YES	YES	YES	YES	YES
Coronavirus	YES	YES	YES	YES	YES	YES	NO	NO	NO
Affected by pH	NO	YES	YES	YES	YES	NO	YES	YES	YES
Corrosive	YES	YES	YES	YES	YES	NO	VARIES	YES	YES
Effect on Biofilms	YES	VARIES	VARIES	NO	NO	YES	NO	VARIES	NO
EPA Approved - Water	NO	МО	NO	NO	YES	YES	NO	NO	NO
Carcinogenic	NO	NO	NO	YES	YES	NO	YES	YES	YES
Inactivated by Organic Material	NO	YES	YES	YES	YES	NO	NO	NO	YES
Use as water, sanitizer and disinfectant	NO	NO	NO	NO	YES	YES	NO	NO	NO
Commercial Brand Name	Generated by Equipment	Various	Virkon S® Oxysept 333®, Vortexx®	Chlorine and acid at a pH of 5-7 (generated)	Various (Chlorox Bleach®)	OxyMer®, Oxine®	Roccal®, Zephrin®, DiQuat®	One Stroke, Environ®, TekTrol®, Pheno-Tek II®	Various
								0/	200

















