

# Applications:

MARKET SEGMENT	APPLICATIONS	CONCENTRATION	SURFACE/WATER	CONTACT TIME
<b><u>Food and catering industry</u></b>				
	walls and floors	0.5 - 2%	s	5 m
	Food production surfaces	0.5 - 2%	s	5 m
	Cooling cells	0.5 - 2%	s	5 m
	Small appliances	0.5 - 2%	s	5 m
	Food preparation machines	0.5 - 2%	s	5 m
	Transportation tanks	0.5 - 2%	s	5 m
	Vegetable dehydration plant	0.02 – 2%	s/air	5 – 30 m
<b><u>Beverage industry</u></b>				
<b>Wineries</b>				
<b>Soft drink plants</b>				
	Water tanks	1 - 3%	s	5 m
	Lager tanks	1%	s	5 m
	Rinsing water lager tanks	30 ppm	w	60 m
	Wort channels	1 - 3%	s	5 m
	(Flexible) beer pipes	1 - 3%	s	5 m
	Filters	1 - 3%	s	5 m
	Bottle rinsing/disinfection	30 ppm	w	
	Hot water zone disinfection	50-100 ppm	w	
	KEG's	1%	s	5 m
	Beer transportation tanks	1%	s	5 m
	Walls and floors	1 - 3%	s	5 m
	Water coolers	1%	s	5 m
	Steam disinfection		s	
<b><u>Drinking water industry</u></b>				
	Wells	100 - 500 ppm	w	2-4 h
	New mains	100 ppm	w	2-4 h
	Mains in use	100 - 250 ppm	w	2-4 h

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<b><u>Drinking water industry</u></b>	Emergency drinking water disinfection	20 ppm - 2000	w	1 – 24 h	
	Drinking water tanks	100 ppm, 1 - 3%	w,s	12 h, 5 min	
	Water mains in:				
	Airplanes	100 ppm	w	6-12 h	
	Trains	100 ppm	w	6-12 h	
	Buses	100 ppm	w	6-12 h	
	Ships	100 ppm	w	12 h	
	Animal breeding	100 ppm	w	12 h	
	Buildings	100 ppm	w	12 h	
	Legionella treatment		20 ml/m <sup>3</sup> 200 - 5000 ppm	Continual dosing Shock treatment	1 - 24h
Vending machines	Water/coffee/soft drinks	0.5 – 1%	w/s	15 -30 min	
<b><u>Other water treatment</u></b>					
	Cooling water	50 - 100 ppm	w	continual	
	Cooling tower	50 - 200 ppm	w	continual	
	Mines	Underground mines water & cooling systems	50 - 100 ppm	w	continual
	Pasteurisation water	50 - 100 ppm	w	continual	
	Caravans	20 – 100 ppm	w	15 – 30 m	
	Waterbeds	10 – 100ppm	w	continual	
<b><u>Leisure industry</u></b>					
	Pool environment	0.5 - 2%	s	5 m	
	Bubble baths, Spa's	0.02 – 0.2%	w	continual	
	Sanitary area's	0.5 – 2%	s	5 m m	
	Sauna's	0.5 – 2%	s	5	
	Pool water	50 - 100 ppm	w	continual	
	Recirculation water	100 ppm	w	continual	
<b><u>Restaurants &amp; bars</u></b>					
	Beer tubing	0.5 – 2%	s	5 m	
	Beer tanks	0.5 – 2%	s	5 m	
	Small appliances	0.5 – 2%	s	5 m	
	Post-mix installations	0.5 – 2%	s	5 m	

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<b><u>Agro-industry</u></b>					
Horticulture	Greenhouses	1 - 5%	s	15 m	
	Circulation water	30 ppm max	w	continual	
	Re-usable containers	1 - 5%	s	5 m	
	Recirculation water (plant contact)	>0.01%	w	continual	
	Small appliances (knives etc)	1 – 0.5%	s	5 m	
	Pipe-cleaning	0.1%	w	1 h	
	Bulb disinfection	1 – 3%	w	5 -10	
	Post harvest treatment	0.1%	w	10–20 m	
	Rinsing water for crop sanitation	100 ml	W	1 h	
	Crop spraying	± 1 L/ha	w		
	Soil disinfection	0.5L/10 L / m <sup>3</sup>	s	12 h	
	Chicken	Breed eggs	1%	w	10 m
		Chicken dinking water	20 - 50 ppm	w	continual
		Disinfection of surfaces	1%	s	5 m
		Shed disinfection	10%	w/s	12 h
Piggeries	Pigs drinking water	20 - 50 ppm	w	continual	
	Shed disinfection	10%	w/s	12 h	
	Disinfection of surfaces	1%	s	5 m	
<b><u>Medical</u></b>					
Hospitals	floors & walls	0.5 – 1.0%	s/fogging	5 m	
	operating room	0.5 – 1.0%	s/fogging	5 m	
	water	20-100 ppm	w	continual	
	instruments	0.5 – 1.0%	s/w	5 m	
Laboratories		0.5 – 1.0%	s	5 m	
Veterinary		0.5 – 1.0%	s	5 m	

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<b><u>Fish farming</u></b>				
	Pond water	30 ppm max	w	-
	Fish / seafood disinfection	300-700 ppm	s	30-60 m
	Ice	150 ppm	w	continual
<b><u>Air-conditioning</u></b>				
	Air ducts	1 - 3%	s	5-15 m
	Air-conditioners	1 - 3%	s	5-30 m
	Blowers/cooling fans	1 - 3%	s	5-30 m
	Process water (adiabatic cooling)	100 - 200 ppm	w	continual
<b><u>Other</u></b>				
	Preservation in food industry		max 1000 ppm	w/m
	Preservation in chemical industry			w/m
	Water conditioning for:			
	Emergency showers	100 ppm	w	continual
	Car-wash	5000 ppm		Shock treatment