


# Ozonix® Water Treatment Comparison Chart Report Card

	Electrochemical Coagulation	Ultra-Violet (UV)	Membrane Filtration (NF/RO)	Biocides (Glutaraldehyde)	Thermal Evaporation	Chloride Dioxide (CLO2)	Hydrodynamic Cavitation	+ Ozone (O3)	+ Acoustic Cavitation	+ Electrochemical Oxidation	= 	
<b>Operation</b>	Treatment Time	C	A	B	C	C	A	B	A	D	A	
	Ease of Use	C	B	B	B	D	A	B	B	B	A	
	Safety	B	B	A	C	C	A	C	B	B	A	
	Cost	High	High	High	Low	High	Low	Medium	Medium	High	Low	
	Flow Rates	Medium	Low	Low	High	Low	High	High	High	Medium	Medium	High
	Mobile	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
	Additional Treatment Req.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No
	Number of Units Required*	5	1	4	2	68	1	1	1	1	10	1
<b>Treatment</b>	Oxidation Potential	A	F	F	F	F	C	A	B	A	A	A
	Disinfection Multiplier (Oxidation Capacity)	0x	2x (with h <sub>2</sub> O <sub>2</sub> )	0x	0x	0x	0x	3x	3x	3x	2-3x	5-20x
	Sulfur Reducing Bacteria (SRB)	A	B	A	A	A	A	B	A	B	B	A
	Acid Producing Bacteria (APB)	A	B	A	B	A	A	B	A	B	B	A
	General Heterotrophic Bacteria (GHB)	A	B	A	A	A	A	B	A	B	B	A
	Disinfection By Products	B	A	A	A	A	C	A	B	A	B	A
	Biofilms	C	C	C	C	B	A	B	C	A	D	A
	Scale Reduction	C	D	B	D	C	D	C	D	B	B	A
	Solids	A	F	A	F	A	B	C	B	A	A	A
	Iron Removal	B	F	A	F	A	C	B	A	B	B	A
	H2S Removal	B	D	A	C	B	C	B	A	B	B	A
	<b>G.P.A</b>	<b>3.1</b>	<b>2.1</b>	<b>3.3</b>	<b>2.1</b>	<b>2.8</b>	<b>2.5</b>	<b>3.2</b>	<b>3.1</b>	<b>3.4</b>	<b>2.8</b>	<b>4.0</b>

\*Approximate number of 53 foot trailers required to treat 80 Bbl/Min

<b>Legend</b>	Flow		Cost (\$/Bbl)
	Bbl/Min	GPM	
Low	0-10	0-420	0-1
Medium	10-60	420-2520	1-2
High	> 60	> 2520	> 2

Note: 1 Bbl = 42 Gallons