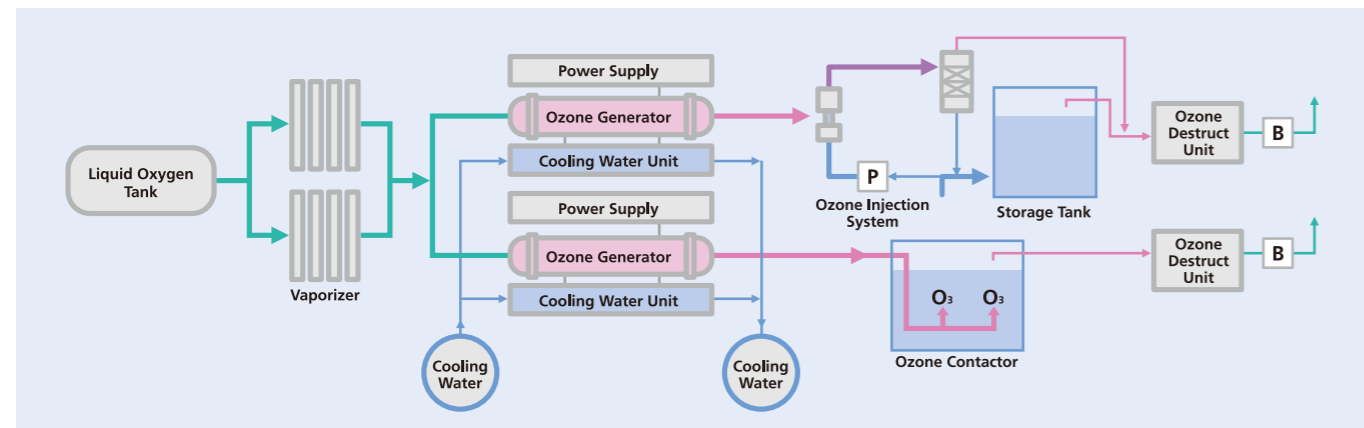


MWX Oxygen-Based Ozone Generator Data

MODEL	Ozone Production		Ozone Concentration		Ozone Gas Flow		Cooling Water Flow	
	(kgO ₃ /h)	(PPD)	(gO ₃ /Nm ³)	(WT%)	(Nm ³ /h)	(scfm)	(m ³ /h)	(gpm)
MWX-3.0	3	159	150	10	20	13	7	29
MWX-4.0	4	212			27	17	9	38
MWX-5.0	5	265			33	21	11	48
MWX-6.0	6	317			40	25	13	57
MWX-8.0	8	423			53	34	17	76
MWX-10	10	529			67	42	22	95
MWX-15	15	794			100	63	32	143
MWX-20	20	1,058			133	84	43	190
MWX-30	30	1,587			200	126	65	285
MWX-40	40	2,116			267	169	86	380
MWX-50	50	2,646			333	210	108	475
MWX-60	60	3,175			400	253	130	570
MWX-70	70	3,704			467	295	151	665
MWX-80	80	4,233			533	337	173	760
MWX-90	90	4,762			600	379	194	855
MWX-100	100	5,291	667	421	216	950		



* Ozone generation system with different capacities available upon request.
 * Standard specifications of the main power supply are 400/440/575 V, 50/60 Hz.
 * Oxygen concentration of the feed gas is assumed to be 90% or higher, with negligible hydrocarbons & dewpoint of less than -60 deg C.

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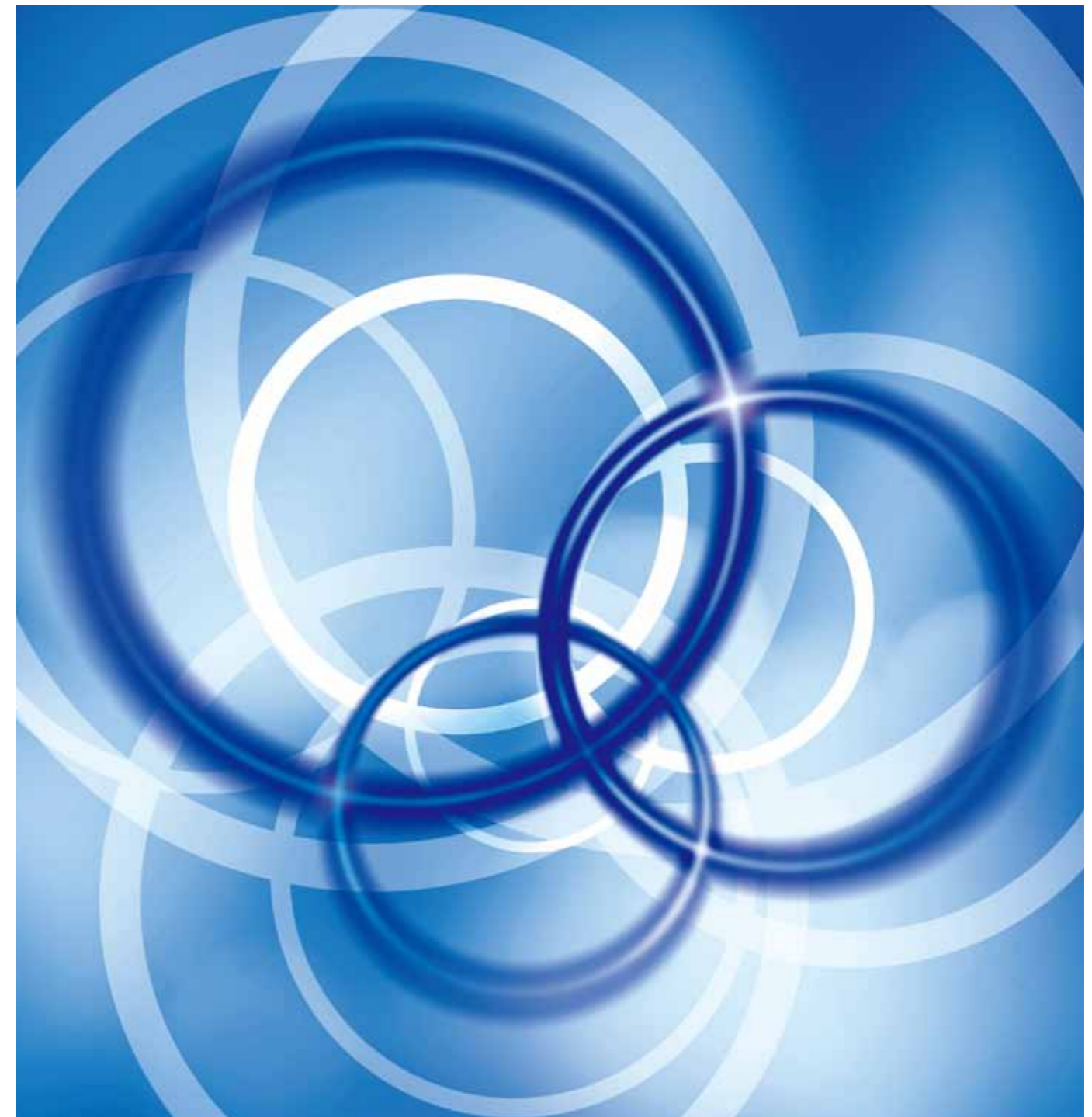
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METAWATER

BEYOND ENGINEERING

System

Ozone Generation System MWX Series



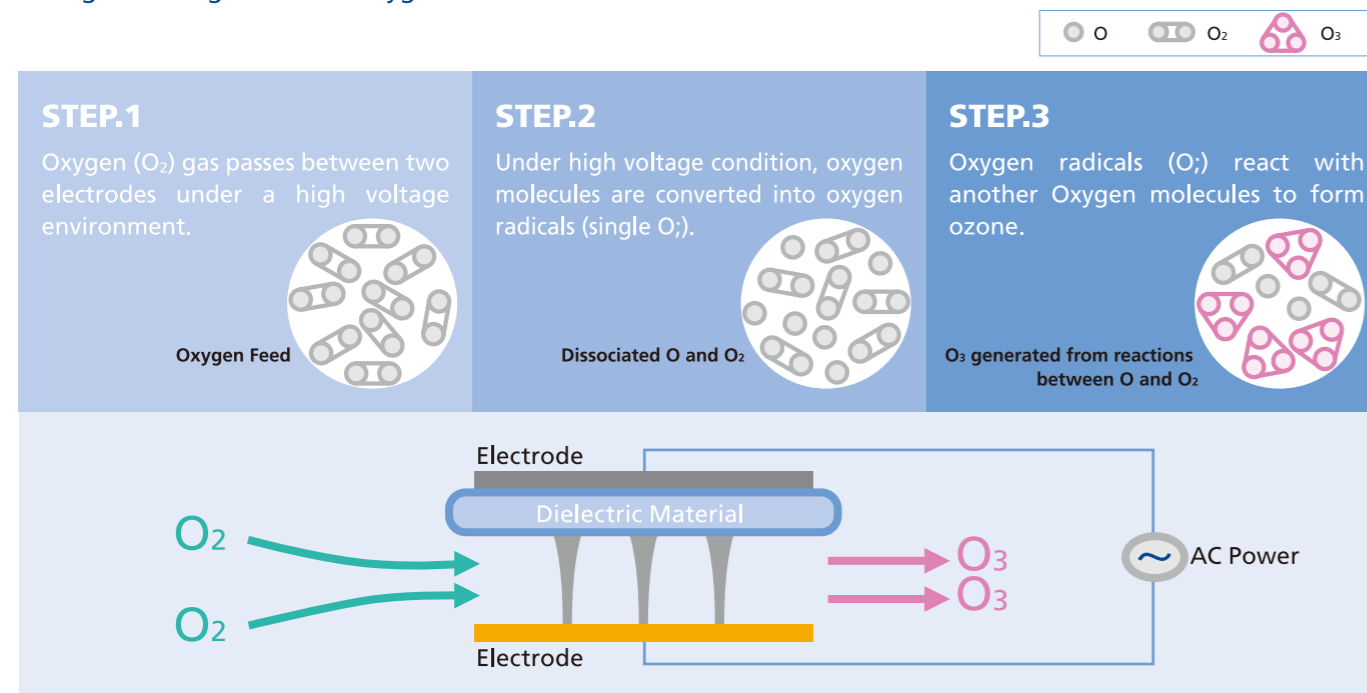
METAWATER Co., Ltd.

Ozone Treatment-An Environmental Alternative METAWATER Ozone Generation System

- 40 years experience & Proven Track Record
- Ultra reliable & high quality & State-the-art advanced technology
- Easy to operate & maintain
- Low operating & maintenance cost
- Designed for safe operation
- Proven post-startup support & services

Principle of Ozone Generation

High voltage Alternating Current (A.C.) is applied to two electrodes creating a silent discharge; such high voltage discharge converts oxygen into ozone molecules.



Oxygen Supply System



Ozone Generator



Ozone Destruct Unit

Configuration of Micro Gap™ Ozone Dielectric Assembly

METAWATER continues to adopt the long proven Micro Gap™ glass-lined dielectric core technology for our ozone generating equipment. The enhancement made over 20 years ago to include doubling cooling (for inner high voltage electrode cooling) remains unchanged. Recent enhancement to the Micro Gap™ core technology includes a further reduction in discharge gap resulting in power savings. Modification to the existing doubling cooling inlet and outlet arrangement provides uniform forced water cooling of each high voltage electrode ensuring longevity of dielectric assembly.

