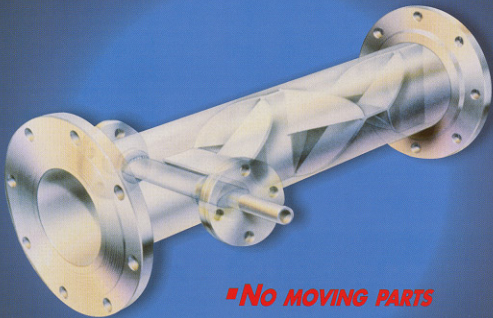


KOMAX

MIXING BY DESIGN

OZONE MIXER

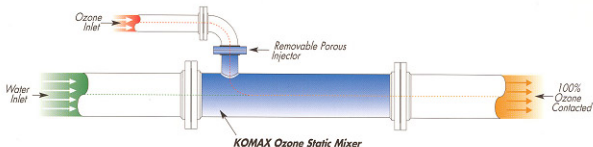
■ **OZONE/LIQUID CONTACTING**



■ **NO MOVING PARTS**

■ **QUIET**, *vibration-free operation*

KOMAX OZONE MIXER



KOMAX SYSTEMS OZONE MIXER

Komax, the leader in static mixers, adds revolutionary technology to a proven design.

For many years, Komax static mixers have mixed chemicals into small and large flow rates for water and water waste treatment. The Komax solution working today in the U.S. and Canada is a static mixer with a unique porous ozone injector. A 20 micron porous gas injector creates micro size ozone bubbles and is manufactured in porous 316 stainless steel or porous high molecular weight polymer. The removable flanged injector is integrated on the leading edge of the first mixing element of the Komax static mixer. The porous injector creates billions of micron size ozone bubbles which are immediately contacted with 100% of the flow. The Komax mixers internal mixing elements guarantee full radial, wall to wall distribution of the fine ozone bubbles. Compare this with the brute force approach of high speed, mechanical mixers with small diameter propellers that churn in the ozone in a very narrow tubular cross section of the water stream. In large flow rates multiple high-speed mechanical mixers must be installed to provide the adequate wall to wall distribution of the ozone bubbles. Only one low pressure drop Komax static mixer is required reducing the energy requirement 95% while offering 50 to 100 times longer mixing or contacting time. Pipe line bottom and sidewall short circuiting of the ozone is totally eliminated. No bearing or seals to replace in the twenty years of service life. Komax static mixers are manufactured in all pipe sizes along with custom open channel design in stainless steel, fiberglass or PVC.

TYPICAL INSTALLATION

- Water Flow Rate: 5 Feet second
- Mixer Pressure Drop: 0.6PSI @ 5ft/sec
- Typical Mixer Length: 3 Pipe Diameters

KOMAX SYSTEMS INC

MIXING BY DESIGN



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