



## SPECIFICATIONS

Model: MCD 50

220 - 240 Vac 50- 60 Hz

5 Watts

## FEATURES

### LGM + Multiplier Nozzle

- Redissolves ozone downstream from injector
- LGM / Multiplier Nozzle combination increases overall mixing efficiency
- Minimizes ozone bubbles at spa return
- Multiplier Nozzle creates uniform distribution of ozone bubbles into spa
- Used in conjunction with Mazzei® injector
- Meet UL ozone off-gas requirements



**Multiplier Nozzle**

### MCD Off-Gas Test Results

Testing Performed by Mazzei Injector Corporation

Injection Method	Ozone Jet	Injector Only	Injector + LGM + Multiplier Nozzle
Gas Flow	0.75 scfh	0.75 scfh	0.75 scfh
Relative Ozone Off-Gas Control	0%	54%	92%*

\* Meets UL Ozone off-gas requirements

### Comparison of Ozone Jet, Injector and LGM Multiplier combination



**Ozone Jet**



**Injector**



**LGM, Injector & Multiplier**

## MCD System

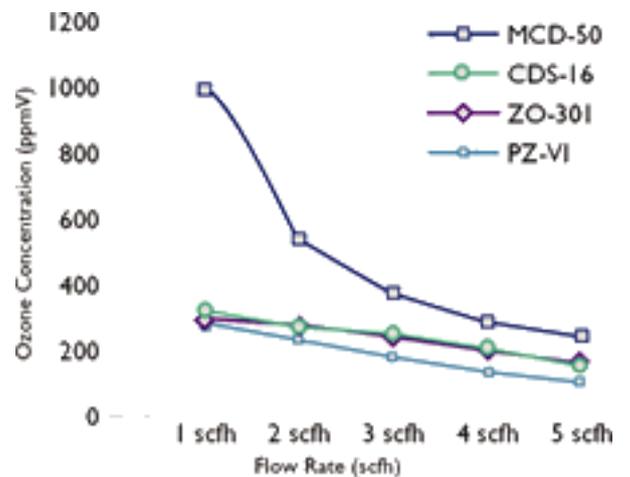
The MCD is the heart of DEL's complete ozone solution for spas. It produces much higher levels of ozone using corona discharge electrode technology, thereby increasing water quality and purity far above what was previously possible.

The MCD, in combination with complete injection, mixing, degas, and destruct options, represents DEL's latest advancements in ozone technology for spas --- achieving the perfect balance between ozone efficacy and safety.



## Competitive Advantages

- Proven, Corona Discharge Electrode technology
- Increased ozone output --- Up to 4 times more than conventional spa ozone generators
- New design with semi-translucent cover
- Water back-flow will not harm unit or spa pack
- Longest lifespan available on the market
- UL & CE listings



## Spring Loaded Check Valve

### **WATER BACK FLOW PREVENTION - 10X longer lifespan**

Del's new spring-loaded check valve revolutionizes water back-flow prevention and ozone generator protection. It prevents water back-flow into the ozone generator and has a lifespan 10 times longer than conventional check valves!



## MDV (Mixing De-gas Vessel)

### 100% OFF-GAS ELIMINATION

Del Ozone's MDV (mixing de-gas vessel) effectively eliminates ozone off-gas when used in conjunction with the MCD ozonator. The MDV eliminates off-gas via injection, mixing, de-gas and ozone destruct (ozone off-gas is trapped and easily destroyed by the destruct cartridge). The MDV also includes a built-in Venturi Injector.

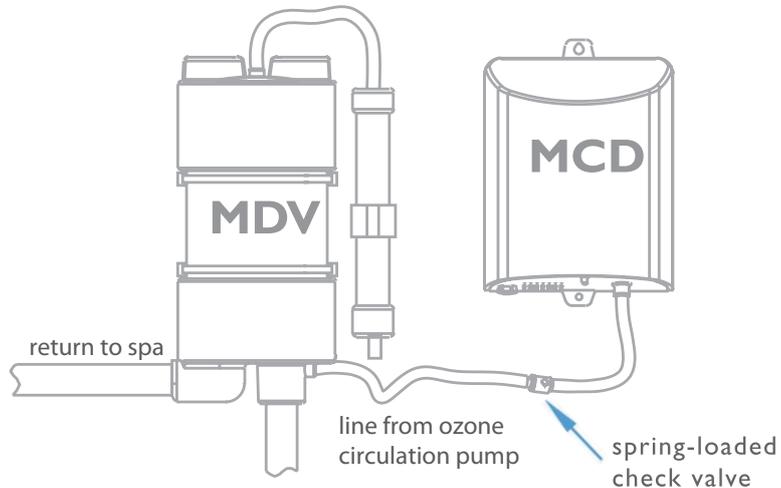
The benefit of the MDV is that it allows more ozone concentration to be safely introduced into the spa, thoroughly increasing sanitation potential.



## INSTALLATION

### MDV Installation

#### Single-Speed Pumps



#### Two-Speed Pumps

