

## All-In-One Heated Ozone Destruct System

### Description of Operation

Ozone gas can be used to disinfect a water supply when it is injected into the side stream. However, the ozone gas must be off-gassed and excess ozone must be catalyzed back into oxygen. The destruct reactor must maintain a high temperature to keep water vapor from fouling the media, reducing its lifespan.

In some cases, a blower is used to maintain a constant flow rate through the destruct.

The **Telchine Ozone Destruct System** includes both an oversized destruct reactor, and an internal heater system, which automatically regulates the bed temperature. Blower models include a regenerative blower. All units are powered from a single point and include circuit breaker protection for individual components.



### FEATURES



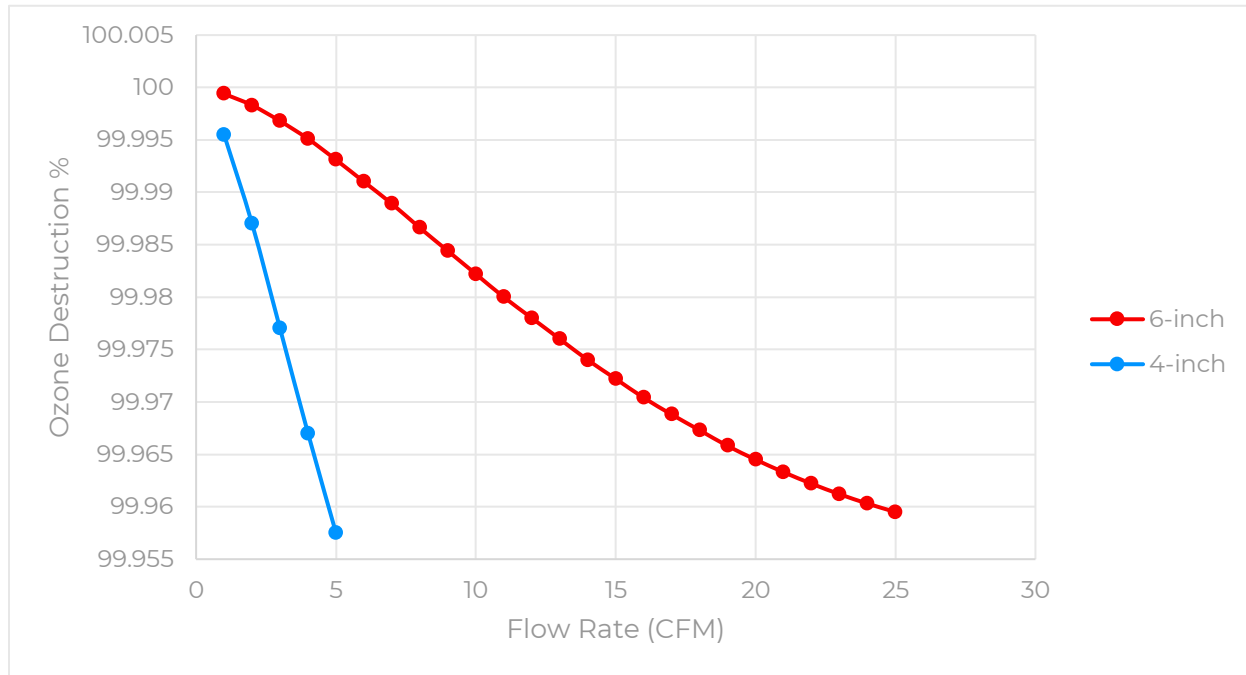
- 316 Stainless-Steel Construction with PTFE seals provide excellent chemical compatibility with ozone gas.
- Efficiently destructs ozone to 99.9%, even in high concentrations.
- Temperature regulated heating system maintains optimal media temperature, even for wet media.
- Blower equipped systems maintain a consistent bed flow rate, which extends media life and efficiency.
- Stainless-Steel strut channel frame allows for flexible installation options.
- Outlet connection can be open or routed to flow outside.

**Note:** H<sub>2</sub>S (Hydrogen Sulfide) & Chlorine will destroy the catalyst media and reduce destruct effectiveness. Refer to the *operations, installation, and maintenance guide* or contact Telchine for proper implementation and integration of the destruct system in these environments.

**SPECIFICATIONS**

Config. No	PR-004-120V	PR-004-240V	BL-004-120V	BL-004-240V	PR-006-120V	PR-006-240V	BL-006-120V	BL-006-240V
<b>Flow Rate</b>	0-5 CFM @ 10%		0-5 CFM @ 10%		0-25 CFM @ 10%		0-25 CFM @ 10%	
<b>Voltage</b>	120V	240V	120V	240V	120V	240V	120V	240V
<b>FLA</b>	4.3 A	2.2 A	10.3 A	5.2 A	4.3 A	2.2 A	10.3 A	5.2 A
<b>Body Size</b>	4 in NPS				6 NPS			
<b>Inlet Size</b>	½ NPT 3/8" OD Tube Compression Fitting		1-1/2 NPT		½ NPT		3 in NPT x 1-1/2 NPT	
<b>Outlet Size</b>								

### Flow Rate Chart



### Chemical Resistance Compatibility for Materials

	Material	Ozone Compatibility
<b>Stainless Steel AISI 316</b>	All hardware, valve float.	A – Excellent
<b>PTFE</b>	PTFE	A – Excellent

*Material Compatibility established by Cole-Parmer® Chemical compatibility database.*

Dimensions

