

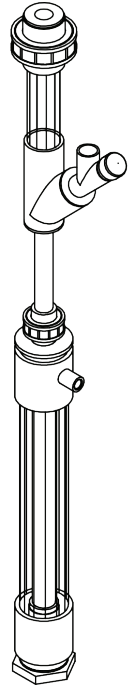
# DEMISTER/P-TRAP FOR BLOWERED DESTRUCTS

## KEY TO MAINTAINING OZONATION SYSTEM EFFICIENCY & SAFETY

During the ozonation process, excess gases are vented from contacting, towards an ozone destruct. These gases contain separable water droplets, water vapor, and ozone off-gas. Additionally, the off-gas venting process is not smooth and continuous but can have some "off-gas surging". Systems with blowered destructs require the demister/p-trap to include a "neck" which varies in length and is relative to the amount of vacuum created by the blower so that p-trap liquid is not sucked into the destruct in low flow conditions.

The demister section consists of a connected PVC pipe filled with coalescing media located above the off-gas inlet. The demister removes separable water droplets, coalescing them on the media when the gas speed is not too high, which then fall into the p-trap section.

The p-trap section has a central pipe to collect coalesced water and an outer pipe that directs collected water to the drain. This design feature controls oscillation or surging, that might blow the water charge out of the p-trap. The drain port of the p-trap must not be blocked, or water will eventually be forced into the destruct unit. The drain port can be directed to sewer, or back into a lower elevation exhibit.



### Key Facts

- Suitable for ozone off-gas exposure for fresh and saltwater exhibits
- Manufactured in the USA by OWS to the highest industry standards
- Accepts some water inflow with the off-gas stream (i.e. minor level control problems)
- Reduces off-gas water droplets
- Helps to maintain system efficiency
- Easy integration
- Low-maintenance, long service life
- See-through body permits visual inspection

MODEL	MAX FLOW	PORT SIZE			DIMENSIONS (H" x W" x D")
		IN	OUT	VENT/DRAIN	
OWS-DPT-2"	13.0 scfm	1"	1"	0.5"	variable* x 6 x 8
OWS-DPT-3"	30.0 scfm	1.25"	1.25" socket	0.5"	variable* x 6 x 8
OWS-DPT-4"	51.0 scfm	1.5"	1.5" socket	0.5"	variable* x 6 x 8

\* 40" + length of neck

Ozone Water Systems is a global provider of turn-key ozone systems. OWS designs, installs, and services all sizes of disinfection and advanced oxidation processes (small and large). Here are just a few markets that utilize our industry leading ozonation systems:



Aquaculture



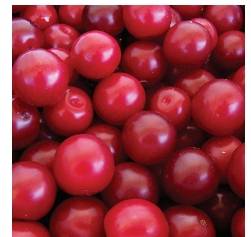
Water Treatment



Pharmaceutical



Food & Beverage



Cold Storage

 **OZONE WATER SYSTEMS, INC.**  
Quality. Pure & Simple.