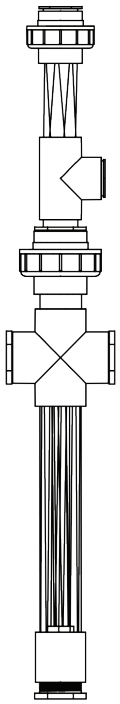
SAFETY / PROTECTION

DEMISTER/P-TRAP
FOR SIMPLE 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”.

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

- Reduces off-gas moisture
- Helps to maintain system efficiency
- See-through body permits visual inspection
- Easy integration
- Low-maintenance, long service life
- Suitable for ozone off-gas exposure for fresh and salt water exhibits
- Float-controlled drain valve minimizes liquid loss on surging conditions at low water fill levels
- Manufactured in the USA by OWS to the highest industry standards

		PORT SIZE			DIMENSIONS
MODEL	MAX FLOW	IN	OUT	VENT/DRAIN	(H” x W” x D”)
OWS-DPT-SD-1.25”	6.0 scfm	1”	1”	0.5”	46 x 6 x 8
OWS-DPT-SD-1.5”	8.2 scfm	1”	1”	0.5”	46 x 6 x 8
OWS-DPT-SD-2”	13.0 scfm	1”	1”	0.5”	47 x 6 x 8

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.