

# Product Profile

## ZONE CONTACT TANKS



### PRINCIPAL OF OPERATION

The transfer of ozone into the water is very important. Therefore, we have manufactured an ozone contact chamber which prevents short circuiting and enhances the transfer of the ozone into the water. The design also enhances the waste ozone gas separation from the water.

The ozone gas and water are effectively mixed prior to entering the contact chamber. Once mixed the gas has time to diffuse into the water in a confined space under pressure. The units are designed to provide a highly efficient contact and retention time between the gas and water. To optimize the contact tank potential it is very important that the system is designed with the correct pressures and retention times.



### CONSTRUCTION

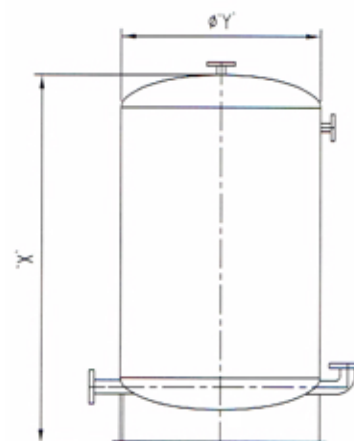
The contact tanks are manufactured from Derakane 411 Vinyl Ester Resin. The standard ozone contact tank is manufactured to operate at a pressure of 300kpa but can be manufactured to operate at higher pressure if required. The contact tank is designed to operate up to 2% W/W of ozone in the water phase.

The intake and outlet flanges are sized according to the flow rates through the contact tank. As a standard feature the contact tank also has two one inch flanges from mounting the off gas vent valve system. The tank is supported by a fiberglass brace, which can be secured to the concrete by fastening washers.



### CONFIGURATION

The ports on the contact tank can be configured to meet your requirements on request. Ozone contact tanks can be designed and manufactured to meet your specifications, this includes manufactured in stainless steel.



Inlet & Outlet Flanges 50, 80 and 100mm according to the flow.

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