

Ozone Mixing Tanks

Watertec Engineering Pty Ltd understands the importance of ozone transfer into the water and therefore we have manufactured an ozone mixing chamber which prevents short circuiting and enhances the ozone transfer into 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 optimise the contact tank potential it is very important that the system is designed with the correct pressures and retention times.

Construction

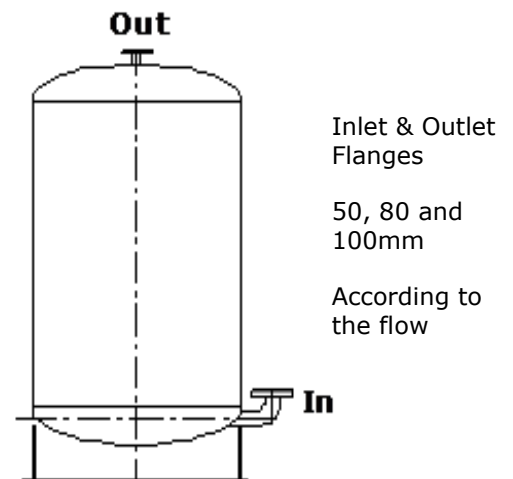
The Watertec Engineering Pty Ltd contact tanks

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 pressures 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 mixing tank. The tank is supported by a fibreglass brace, which can be secured to the concrete by fastening washers.

Configuration

The ports on the mixing tank can be configured to meet your requirements on request. Ozone mixing tanks can be designed and manufactured to meet your specifications. Ozone Mixing Tanks can also be manufactured in stainless steel.



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