

HORIZONTAL UV REDUNDANCY



HORIZONTAL TYPES

- Packaged stainless with inlet and outlet boxes.
- Stainless steel liner inserted into concrete.
- Pre poured concrete



Horizontal UV Disinfection systems are popular for treating smaller flows. While they can treat unlimited flows, we generally see these in applications of 5 MGD and lower.

Due to different local requirements for redundancy, engineers are tasked with providing a system that meets regulations.

The horizontal orientation allows for a pre packaged stainless steel channel with inlet and outlet boxes, a stainless steel insert to be embedded into concrete or directly into concrete using brackets.

For redundancy, the following are available:

- Parallel (side by side)
- In-series
- "U" configuration

SIDE BY SIDE / PARALLEL

Each unit can be 50% or 100% redundant. They are piped to and from and have internal level control system. This can be done with standalone channels, channel inserts or concrete channels.



“U” TURN

Each bank can be 50% or 100% redundant. They are piped to and from and have internal level control system in the 2nd bank. This can be done with standalone channels, channel inserts or concrete channels.



IN SERIES

Each bank can be 50% or 100% redundant. They are piped to and from and have internal level control system in the 2nd bank. This can be done with standalone channels, channel inserts or concrete channels.

