

# NONCON

## S E R I E S



**NONCON-5000-6-8 x 30** Installation. 2.5 MGD wastewater disinfection plant with 100% redundancy. The reactor is designed as a “U” allowing for a smaller footprint. Remote Ballast Control Center with PLC and touch screen operator user interface.

System incorporates “non-conductive” fluoropolymer tubes to transport wastewater while UV light shines in and disables microorganisms.



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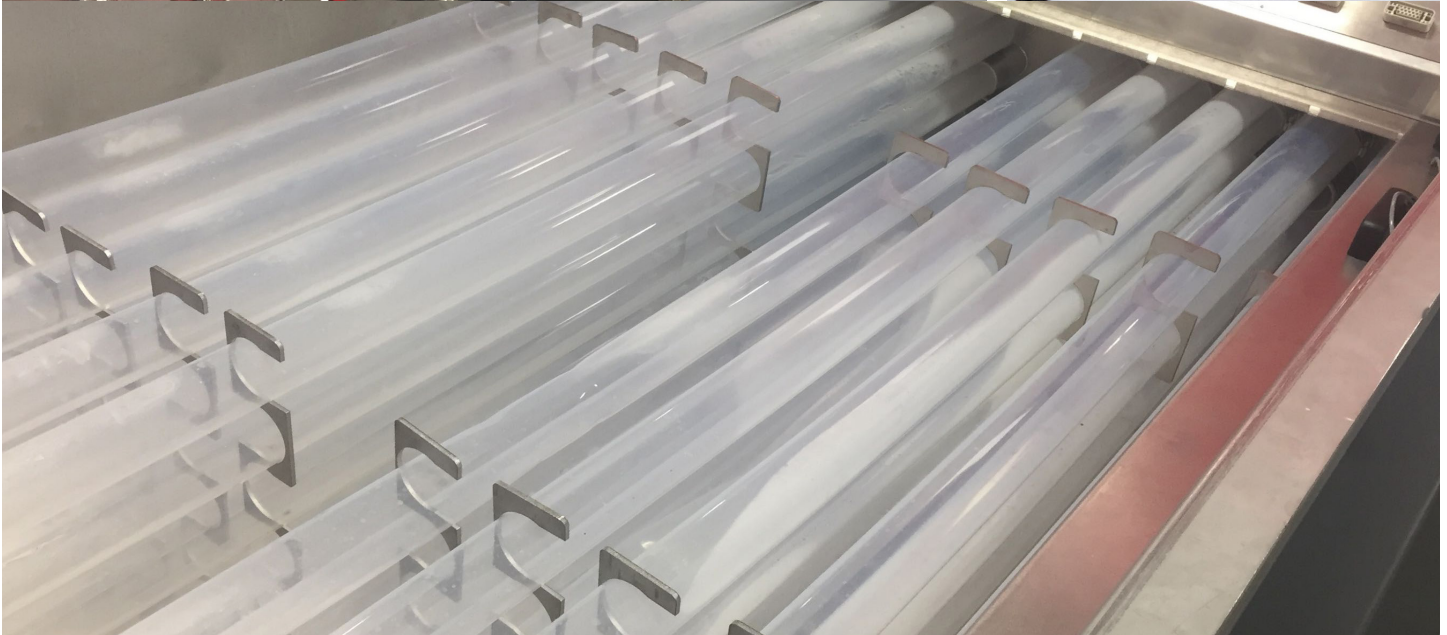
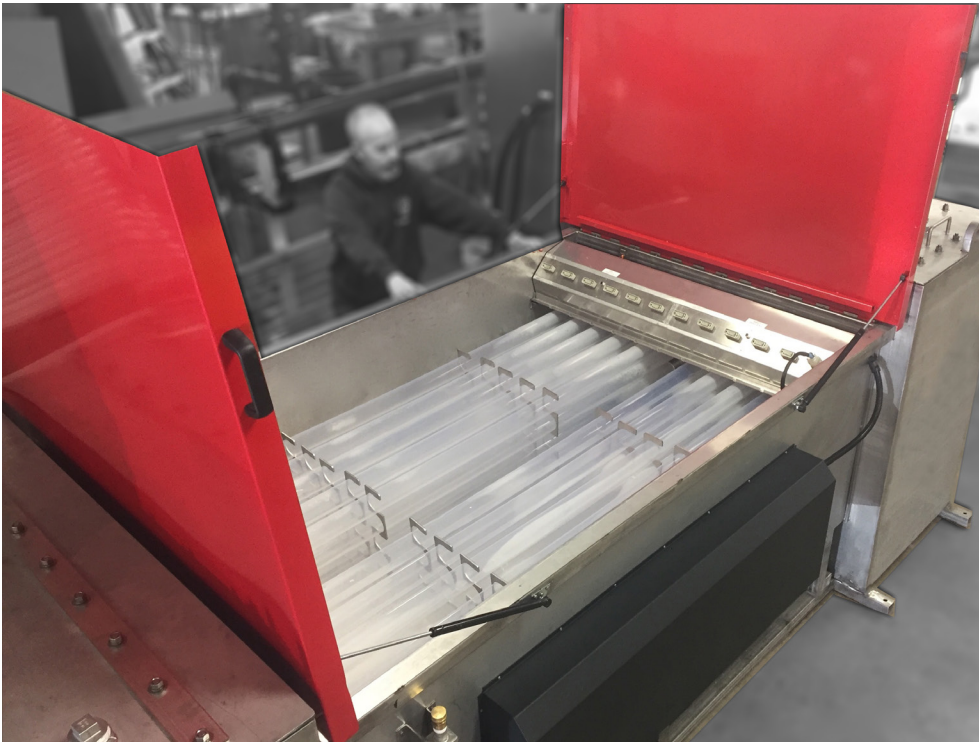


**GLASCO UV**

## NONCON UV DISINFECTION SYSTEMS

Systems use special fluoropolymer (FEP) tubes to transport wastewater in close proximity to the UV lamps. The FEP tubes are transparent and allow UV light in the 254 nm range to penetrate the tube's walls and disable microorganisms. When pathogens are exposed to UV light, their cells become damaged and this inhibits reproduction. UV light damages the cell's DNA and RNA and once damaged, they are unable to replicate and therefore, rendered harmless.

Tubes are manufactured in the US from high quality polymer resin. The tubes, which are highly transparent, are neutrally charged (the "non-conductive" in "NONCON") and thus, not susceptible to fouling and scaling from positively charged minerals. In traditional UV systems, the quartz sleeves need to be cleaned.



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