



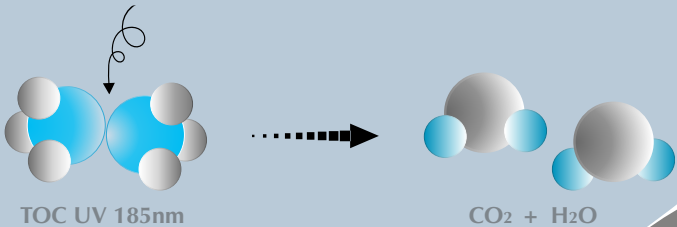
The LTOC reduction systems are designed specifically for the reduction of total organic carbon (TOC) levels with integrate electric cabinet. These systems are designed with shorter wavelength UV lamps emitting their spectral output at 185nm. These "shorter" wavelength lamps emit more energy than standard 254nm lamps producing hydroxyl free radicals (OH) which is turn oxidizes most organics into carbon dioxide (CO₂) and water (H₂O). All LTOC reduction systems produce UV dosages in excess 120mJ/cm² at the end of lamp life .



Specifications

Model	LTOC3	LTOC6	LTOC9	LTOC12	LTOC20	LTOC25	LTOC30	LTOC35
Flow Rates @ 120mJ/cm ²	3gpm (0.68m ³ /hr)	6gpm (1.4m ³ /hr)	9gpm (2.1m ³ /hr)	12gpm (3.0m ³ /hr)	20gpm (4.5m ³ /hr)	25gpm (5.7m ³ /hr)	30gpm (6.8m ³ /hr)	35gpm (8m ³ /hr)
Inlet / Outlet	1/2"	1/2"	3/4"	3/4"	1"	1"	1 1/2"	1 1/2"
Reaction Chamber Dimensions	93*18*30cm(36.6*7*11.8 in.)	93*18*30cm(36.6*7*11.8 in.)	93*25*35cm(36.6*9.8*13.7 in.)	93*25*35cm(36.6*9.8*13.7 in.)	93*25*36cm(36.6*9.8*14.2 in.)	93*30*42cm(36.6*11.8*16.5 in.)	93*39*48cm(36.6*15.4*18.9 in.)	93*39*48cm(36.6*15.4*18.9 in.)
Ultraviolet Lamp	Part# G36T5VH-LT, 39 Watts, 425mA, 185nm			Part# GHO36T5VH-LT, 80 Watts, 800mA, 185nm				
Quartz Sleeve	Part# QS900-BO, 900mm, Both Sides Open			Part# QS900-BO, 900mm, Both Sides Open				
Ballasts	Part# GDB42540L2, 110V.-240V./50-60Hz.			Part# GDB80095L2, 110V.-240V./50-60Hz.				
Number of Lamp/ Sleeve/Ballasts	1	2	3	2	3	4	5	6
Timer Monitor	Lamp Operating Hours Monitor, Part No. GDT-9000							
Features	Lamp Operating Indicator, Audible Lamp Failure, Lamp Operating Hours up to 9000hr, Total Running Days, Dry Contact							

► Flow Rates Stated at 95% UV Transmittance of End of Lamp Life, 20°C



General

- SS304 Construction Material (SS316 as Request)
- 4-Log (99.99%) Reduction in Bacteria, Viruses and Protozoan Cysts
- Horizontal Installation

Parameters

- Max. Operating Pressure 125psi (8.62 bars)
- Ambient Water Temperature 2-40°C (36-104°F)
- Iron < 0.3 ppm (0.3mg/L)
- Hardness < 7 gpg (120 mg/L)
- Manganese < 0.05 ppm (0.05 mg/L)
- Turbidity < 1NTU
- Tannins < 0.1 ppm (0.3 mg/L)
- UV Transmittance >75%