



The ultraviolet (UV-C rays, 253.7nm) water disinfection treatment is an extremely rapid physical process, reliable, economical and chemical-free, highly effective method to remove the threat of microbiological contaminants from water.

The SUT series systems feature a vertical reactor designed to maximize installation flexibility with minimal footprint. SUT series systems with separate control panel, models SUT12 - SUT36 flow rates 12gpm (3m³/hr.) up to 36gpm (8m³/hr.) for commercial, community, Institutional and industrial applications.

Ultraviolet light treatment is a widely recognized and proven method of disinfection of water, does not add anything to the water, nor does it generate harmful byproducts. It adds only energy in the form of ultraviolet radiation. It is fast, efficient, effective, economical and environmentally-friendly.

Specifications

Model	SUT12KC	SUT24C	SUT12D	SUT24D	SUT36D
Flow Rates @ 30mJ/cm ²	12gpm, 3m ³ /hr	24gpm, 6m ³ /hr	12gpm, 3m ³ /hr	24gpm, 6m ³ /hr	36gpm, 8m ³ /hr
Flow Rates @ 40mJ/cm ²	9gpm, 2m ³ /hr	18gpm, 4.1m ³ /hr	9gpm, 2m ³ /hr	18gpm, 4.1m ³ /hr	27gpm, 6.1m ³ /hr
Inlet / Outlet	1"	1"	1"	1"	1½"
Dimensions (H* Base Ø)	93*15.5cm (36.6*6.1 in.)	93*15.5cm (36.6*6.1 in.)	93*19cm (36.6*7.5 in.)	93*19cm (36.6*7.5 in.)	93*22cm (36.6*8.7 in.)
Control Panel Dimensions	X	X	30*17*40cm(11.8*6.7*15.7 in.)		
Ultraviolet Lamp	Part# G36T5L/4-LT, 39 Watts, 425mA, 254nm	Part# GHO36T5L/4-LT, 80 Watts, 800mA, 254nm	Part# G36T5L/4-LT, 39 Watts, 425mA, 254nm		
Quartz Sleeve	Part# QS890, 890mm, Domed, Single Open				
Ballasts	Part# BAP4022, 220V/ 50-60Hz.	Part# BAP100365, 110V-240V/50-60Hz.	Part# GDB42540L2, 110V-240V/50-60Hz.		
Number of Lamp/Sleeve/Ballasts	1	1	1	2	3
Timer Monitor	X	Controller Build-in	Lamp Operating Hours Monitor, Part No. GDT-9000		
Features	Lamp Operating Indicator, Audible Lamp Failure	Lamp Operating Indicator, Audible Lamp Failure, Lamp Life 365 Days Countdown, Total Running Days, Dry Contact Optional, Part No. GDS254NM15-V, SS316 with monitored controller	Lamp Operating Indicator, Audible Lamp Failure, Lamp Operating Hours up to 9000hr, Total Running Days, Dry Contact		
Sensor	X	GDS254NM15-V, SS316 with monitored controller	Optional, Part No. GDS254NM20-V, SS316		

▶ 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
- Optional Sanitary Connections

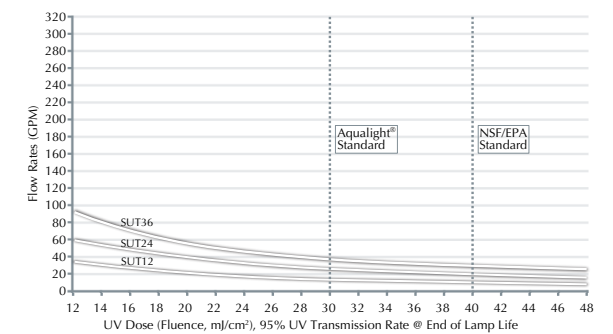
Parameters

- 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%

Warranty

- Ultraviolet Water Disinfection Systems Carry a Three Year Warranty on the Stainless Steel Reaction Chamber
- A TWO Year on Power Supply Controller
- A ONE Year Warranty on Ultraviolet Lamp, Quartz Sleeve and Other Components

Dosage



Installation Layout

