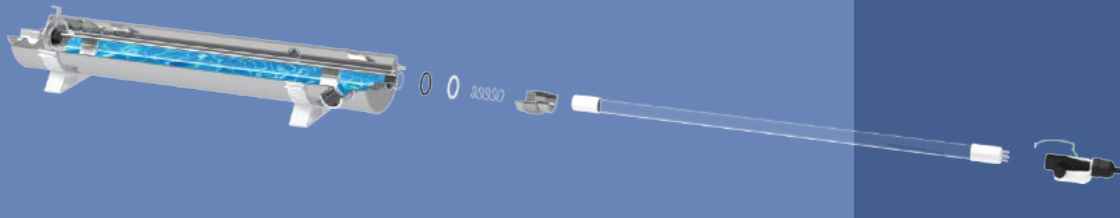




The PMTOC reduction systems are designed specifically for the reduction of total organic carbon (TOC) levels with integrate electric cabinet. These systems are designed with shorter wavelength UV lamps emitting their spectral output at 185nm. These "shorter" wavelength lamps emit more energy than standard 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 .

The PMTOC systems are designed specifically for the treatment of ultrapure waters such as those found in the production of semiconductors and other processes requiring water with extremely low levels TOC. All TOC reduction systems produce UV dosages in excess 120mJ/cm² at the end of lamp life. Flow rates 1gpm (3.8 lpm, 0.25m³/hr.) up to 10gpm (38 lpm, 2.3m³/hr.) for light industrial applications, lamp remaining life reminder.

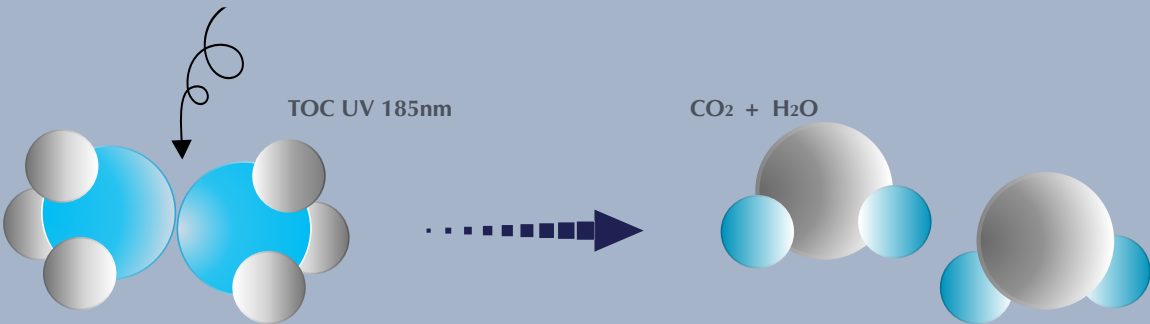
Exploded View



Specifications

Model	PMTOC-1	PMTOC-3	PMTOC-6	PMTOC-8	PMTOC-10
Flow Rates @ 120mJ/cm ²	1gpm, 3.8lpm, 0.25m ³ /hr	3gpm, 11.5lpm, 0.7m ³ /hr	6gpm, 23lpm, 1.4m ³ /hr	8gpm, 30lpm, 1.8m ³ /hr	10gpm, 38lpm, 2.3m ³ /hr
Inlet/Outlet	1/2"	1/2"	3/4"	3/4"	3/4"
Dimensions	43*6.5cm (17*2.5 in.)	95*6.5cm (37.4*2.5 in.)	60*8.9cm (23.6*3.5 in.)	79*8.9cm (31.1*3.5 in.)	95*8.9cm (37.4*3.5 in.)
Ultraviolet Lmap	GPH330T5VH-LT, 28 Watts, 425mA, 185nm	G36T5VH-LT, 39 Watts, 425mA, 185nm	GHO512T5VH-LT, 50 Watts, 800mA, 185nm	GHO702T5VH-LT, 65 Watts, 800mA, 185nm	GHO36T5VH-LT, 80 Watts, 800mA, 185nm
Quartz Sleeve	QS375	QS890	QS542	QS732	QS890
Advanced Controller	Part No. BAP40365, Universal Voltage100V.-250V./50-60Hz., 18*9.5*5cm (7.1*3.7*2 in.)				
Features	Lamp Operating Indicator, Audible Lamp Failure, Lamp Life 365 Days Countdown, 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
- Vertical Installation (recommend) or Horizontal

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%

