Expurgo™ Series in Beverage and Brewing
UV Disinfection Applications

Why use Ultraviolet (UV) Disinfection?

- Provides pathogen control of liquids. The UV light inactivates potentially harmful organisms such as fungi, bacteria, viruses and parasites, rendering them incapable of replication.
- The UV treatment process does not produce any disinfection by-products or change the chemical balance of the liquid.

When ozonation is used as the primary disinfection agent, UV can be used to eliminate any residual ozone present.

UV eliminates free Chlorine and Chloramines present in water derived from Municipal fresh water sources.

Why specify the Expurgo™ Series?

- Provides pathogen control of liquids. The UV light inactivates potentially harmful organisms such as fungi, bacteria, viruses and parasites, rendering them incapable of replication.
- The UV treatment process does not produce any disinfection by-products or change the chemical balance of the liquid.
- The heart of our UV Systems is our UV-Xtender™ amalgam lamps which emit over 400% more 254nm UV than standard low pressure lamps, are over twice the efficiency of typical medium pressure (MP) lamps and have an operating life up to 16,000 hours…2 to 3 times that of typical LP and MP lamps. We warrant our lamps for 13,000 hours!

- Access the amalgam UV lamps in just 2 seconds with our proprietary waterproof bayonet fittings.

- A standard Industrial Programmable Logic Controller (PLC), controls, monitors and reports the operating status of the UV System via an LCD display and panel indicators. A calibrated, ultra stable, UV Sensor monitors the 254nm UV irradiance within the UV Reactor.

- A safe 120°C lamp operating temperature significantly reduces the potential for overheating damage and quartz sleeve fouling associated with the 900°C typical operating temperature of MP lamps. Our UV-Xtender™ lamps also provide a much more stable UV output with variations in water temperature, as compared to standard LP lamps.

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