



## **GUS SERIES**

### **Ultraviolet Purifiers**

- **Industrial Quality - Economical Price**
- **Low Power Requirements**
- **Stainless Steel Construction**
- **Water Temperature Range: 35-110°F**
- **Operating Pressure: 125psi**
- **Less than 2psi Pressure Drop**
- **5-year chamber warranty**

**Enchlor Inc. has been manufacturing the highest quality water treatment equipment and instrumentation since 1978. Our GUS Series are designed for residential, commercial and industrial drinking water applications. The GUS Series requires minimal annual maintenance and are built to last.**

### **HOW UV DISINFECTION WORKS**

**Water enters the purifier's chamber. Once inside, it is exposed to UV light. The UV lamp used for this type of germicidal disinfection produces light at a wavelength of 253.7 nanometers (2,537 Angstrom units). At this wavelength, UV light can destroy up to 99.99% of all bacteria, protozoa, viruses, molds, algae and other microbes. This includes such waterborne diseases as: E.coli, hepatitis, cholera, dysentery, typhoid fever as well as many others.**



**GUS 7-10**



**GUS 30-50**

**The actual lamp(s) is housed in a quartz sleeve. This sleeve not only helps maintain maximum operating temperature, but also prevents the lamp from coming in contact with the water. Quartz is a special material that allows UV to penetrate.**

**While in the chamber, the water receives doses of UV energy. To be effective, a minimum dosage of 16,000 microwatt second per square centimeter is applied.**

**Since the treatment does not change either physical or chemical properties; the water is ready for use when it leaves the disinfection unit**

<b>Drinking Water</b>				
<b>MODEL</b>	<b>Max Flow</b>	<b>Connections</b>	<b>Dimensions</b>	<b># of Lamps</b>
GUS-7	7 gpm	3/4" NPT	22"x9"x9"	1-17"
GUS-10	10 gpm	3/4" NPT	39"x9"x9"	1-36"
GUS-30	30 gpm	1-1/2" NPT	43"x16"x14"	2-36"
GUS-50	50 gpm	2" NPT	43"x16"x14"	2-36"-HO

<b>WASTEWATER</b>				
<b>MODEL</b>	<b>Max Flow</b>	<b>Connections</b>	<b>Dimensions</b>	<b># of Lamps</b>
GUS-7	1.5 gpm	3/4" NPT	22"x9"x9"	1-17"
GUS-10	3 gpm	3/4" NPT	39"x9"x9"	1-36"
GUS-30	10 gpm	1-1/2" NPT	43"x16"x14"	2-36"
GUS-50	15 gpm	2" NPT	43"x16"x14"	2-36"-HO

<b>Wastewater</b>	<b>Requirements</b>
Flow rate (peak)	0-1.5, 3, 10, 15 gpm
Flow rate (average)	TBD
Flow rate (minimum)	TBD
Transmission @ 254 nm	65%
Total suspended solids TSS	<30 mg/liter
Biological oxygen demand	<30 mg/liter
Temperature	40/90 F
Influent (per 100 ml sample)	TBD
Discharge permit	>200 FC/100 ml

## **AVAILABLE OPTIONS PER SYSTEM**

- Manual cleaning/wiper system:**
- UV Intensity Monitor:**
- Lamp Out, Low Intensity Audible Alarm**
- Spare lamp:**
- Spare quartz sleeve:**

