

3M™ Water Filtration Products

SPEC# _____

QUANTITY _____

application:

MICROBIOLOGICAL REDUCTION

models:

CFSUV-3 & CFSUV-5

The 3M™ Water Filtration Products Ultraviolet Systems reduce 99.99% of bacteria and viruses in the incoming water supply, assuring that water remains potable once it enters the store operation. The hard quartz sleeve offers easy cleaning and easy replacement. Long life lamp reduces operating costs, allowing 1 year components. Constant current output regardless of variations in input line voltage or frequency maintain accurate dosing. Instant start lamp won't flicker on start-up. Two versions are available - 2.5 gpm (9.5 lpm) for single equipment applications and 5 gpm (18.9 lpm) for multiple equipment applications.



CFSUV-3

CFSUV-5

PRODUCT BENEFITS

- Reactor chamber manufactured from 304 stainless steel.
- High output germicidal lamps reduce 99.99% of bacteria and viruses.
- Hard quartz sleeve allows easy cleanability for maximum operation.
- Electronic ballast prevents premature lamp failure and assures that UV dosage is correct and constant.
- Lamps are rated for 9,000 hours of operation allowing for 1 year change-out.

PRODUCT SPECIFICATIONS

Model Number	Part Number	Flow Rate	Description	Connections
CFSUV-3	56083-01	2.5 gpm (9.5 lpm)	100 - 130V / 50 - 60Hz 60,000 µW.sec/cm ² at end of life	3/4" MNPT Inlet & Outlet
CFSUV-5	55748-01	5 gpm (18.9 lpm)		



CFSUV-3 & CFSUV-5

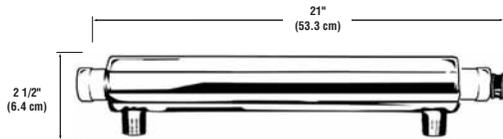
3M™ Water Filtration Products

SPEC# _____
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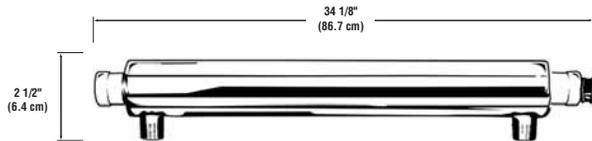
PHYSICAL SPECIFICATIONS

- Lamp must emit monochromatic UV-C ultraviolet light at a wavelength of 254 nm.
- System lamp is 24W or 37W.
- Sleeve is hard quartz.
- Bacterial reduction to 4 log.
- Chamber is 304 stainless.
- System has electronic ballast with constant current output at 425 mA.
- 5 gpm (18.9 lpm) system provides 60,000 $\mu\text{W}\cdot\text{sec}/\text{cm}^2$ at end of life.
- 2.5 gpm (9.5 lpm) system provides 60,000 $\mu\text{W}\cdot\text{sec}/\text{cm}^2$ at end of life.
- Lamp must be replaced at 9,000 hours under normal maintenance and operating conditions (approximately 1 year).

CFSUV-3



CFSUV-5



Model Number	Part Number	Description	Connection	Flow Rate
CFSUV-3-2	56083-02	200 - 250V / 50 - 60Hz 60,000 $\mu\text{W}\cdot\text{sec}/\text{cm}^2$ at end of life	3/4" MNPT Inlet & Outlet	2.5 gpm (9.5 lpm)
CFSUV-5-2	55748-02			5 gpm (18.9 lpm)

IMPORTANT: INSTALLATION TIPS

These installation tips are for informational purposes only and are not intended to be used as actual installation instructions. **CAUTION: To reduce the risk associated with property damage due to water leakage:**

- **Read and follow** Use Instructions before installation and use of this system.
- Installation and use **MUST** comply with all state and local plumbing codes.
- The lamp **MUST** be replaced every 12 months.

Water quality is very important for the optimum performance of your UV system. The following levels are recommended for installation:

- Total iron count is less than 0.3 ppm (0.3 mg/l).
- Hydrogen sulfide count is less than 0.05 ppm (0.05 mg/l).
- Suspended solids count is less than 10 ppm (10 mg/l).
- Manganese count is less than 7 grains per gallon. Where total hardness is less than 7 gpg, the UV unit should operate efficiently provided the quartz sleeve and/or sensor probe is cleaned periodically. If total hardness is over 7 gpg, the water should be softened.
- Minimum 5 micron prefilter must precede the system.

If your water chemistry contains levels in excess of those mentioned above, proper pretreatment is recommended to correct these water problems prior to the installation of your system.

⚠ WARNING: To reduce the risk associated with the ingestion of contaminants:

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

CUNO Incorporated recommends regularly scheduled maintenance and replacement of the filter cartridge(s) in order for the product to perform as advertised/sold. CUNO shall not be liable for system failures due to improper maintenance.



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