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MR8.40C

NSF/ANSI 55 Class “A” certified
ultraviolet water disinfection system

KEY FEATURES

- Integrated filtration and disinfection speeds installation.
- Commercial grade steel top plate is finished with a tough powder coat finish.
- Available with up to three standard or big blue style filter housings.
- Advanced UV Detection System is designed to minimize nuisance alarms.
- Patented UV sensor with leak resistant one-piece PTFE primary probe body features a removeable cap and secondary window to quickly resolve alarms due to fouling.
- Easy-service lamp connector simplifies maintenance - no tools required.
- Microprocessor controlled power source includes audible and visible lamp failure alarms, annual lamp change timer, and low UV alarm.
- The display shows actual UV dose in mJ/cm².
- Integrated flow regulator maintains certified flow rate.
- UV lamps are USA-manufactured with a long-life coating, and rated for 9,000hrs of service.
- Disinfection chambers are welded in Canada using 304 stainless steel.
- Power sources and chambers are designed and manufactured in Canada.
- Power source has solenoid valve compatibility for optional automatic shut-off during alarm conditions.

OVERVIEW

This system conforms to NSF/ANSI 55 Class “A” for the disinfection of microbiologically contaminated water that meets all other public health standards. The UVD8.40C delivers a minimum UV dose of 40mJ/cm² at the rated flow rate of 8gpm.

The system is not intended to convert wastewater or raw sewage to drinking water. The system is intended to be installed on visually clear water. NSF/ANSI 55 defines wastewater to include human and / or animal body waste, toilet paper, and any other material intended to be deposited in a receptacle designed to receive urine and / or feces (blackwaste); and other waste materials deposited in plumbing fixtures (grey waste).

If this system is used for treatment of untreated surface waters or ground water under the direct influence of surface water, a device found to be in conformance for cyst reduction under the appropriate NSF/ANSI standard shall be installed upstream of the system.

The input water must meet the minimum water quality standards outlined in the instruction manual to ensure optimal performance and effectiveness of the UV disinfection system.

Every UVDynamics Mini-Rack System is built in our factory, giving us the flexibility to create the exact combination you need. With 3 top plate sizes, 2 filter housing styles, and 2 filter housing sizes, we can build the MR8.40C system that best suits your application. For dimensions of specific combinations, please contact the factory.

PRODUCT SPECIFICATIONS

Flow Rate* - 40mJ/cm²:	8.7gpm (32.9L/min) (1.97 m³/hr)
Inlet/Outlet Port Size:	¾” FNPT inlet / ¾” MNPT outlet
Max Operating Pressure:	100psi (6.9bar)

Actual flow rate may be up to 12% less due to flow regulator variability.

Water Temperature:	4 - 37°C (40-99°F)
Power Consumption:	63 watts
AC Supply Voltage:	120V or 240V (47-63Hz)

THE WARRANTY

UVDynamics water disinfection systems are supported with a ‘free from defects’ Workmanship and Material warranty:

- Ten year prorated warranty on the stainless steel disinfection chamber
- Three year warranty on the UV power source
- One year warranty on UV lamps, sleeves, sensor, and solenoid conditions apply, contact manufacturer for details

Systems* tested and certified by IAPMO against:

NSF/ANSI Standard 55 Class A

NSF/ANSI 61

NSF/ANSI 372

CSA-B483.1

*visit iapmo.org for model information