315 Neptune Crescent, London, Ontario, Canada
Phone: +1 519 452 7520 | Email: info@uvdynamics.com
Website: www.uvdynamics.com

# UVD11.40C

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

## KEY FEATURES

- 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 UVD11.40C delivers a minimum UV dose of 40mJ/cm² at the rated flow rate of 11gpm.

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.**

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Flow Rate* - 40mJ/cm²:** | 11gpm (41.6 L/min) (2.5 m³/hr) |
| **Shipping Weight:** | 13lb |
| **Chamber Dimensions:** | 32.5” (82.5cm) x 3.5” (8.9cm) |
| **Inlet/Outlet Port Size:†** | 1” FNPT inlet / ¾” MNPT outlet |

| | |
|---|---|
| **Max Operating Pressure:** | 100psi (6.9bar) |
| **Water Temperature:** | 4 - 37°C (40-99°F) |
| **Power Consumption:** | 81 watts |
| **AC Supply Voltage:** | 120V or 240V (47-63Hz) |

*Actual flow rate may be up to 12% less due to flow regulator variability.*
*† Chamber dimensions do not include side ports or maintenance headroom.*
*For dimensional drawings, please contact the factory.*

## 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