



# UVD320(E)

## ultraviolet water disinfection system

### KEY FEATURES

- Easy-service lamp connector simplifies maintenance - no tools required.
- Microprocessor controlled power source includes audible and visible lamp failure alarms, lamp life remaining feature, and annual lamp change timer.
- UV lamps are USA manufactured with a long-life coating; rated for 9,000hrs.
- Disinfection chambers are welded in Canada using 304 stainless steel.
- Power sources and chambers are designed and manufactured in Canada.
- PEX friendly 3/4" MNPT GloGuard™ ports speed installation.
- Available in 3 models to suit varying system requirements:
  - UVD320E    basic model
  - UVD320    + solenoid compatible
  - UVD320/S    + UV intensity monitor (calibrated at 40mJ/cm<sup>2</sup>)

### OVERVIEW

The UVD320 system is suited to point of entry installation in homes and cottages with moderate water demands. The 30mJ/cm<sup>2</sup> dose of the UVD320 at 10gpm is ideal for general disinfection. The compact mounting footprint facilitates installations where space is limited.

The UVD320 system was designed using sophisticated computer modeling software, and then verified by independent third-party testing using accepted biodosimetry methods by GAP EnviroMicrobial Services.

### PRODUCT SPECIFICATIONS

<b>Flow Rate*</b> - 16mJ/cm <sup>2</sup> :	20gpm (76L) ( 4.5m <sup>3</sup> /hr )
- 30mJ/cm <sup>2</sup> :	10gpm (37L) ( 2.2m <sup>3</sup> /hr )
- 40mJ/cm <sup>2</sup> :	8gpm (30L) ( 1.8m <sup>3</sup> /hr )
<b>Shipping Weight:</b>	7lbs
<b>Chamber Dimensions:</b>	18" (46cm) x 3.5" (9cm)

\* 16mJ/cm<sup>2</sup> dose is suitable for reducing non-pathogenic nuisance organisms only. Disinfection chamber hydraulic performance may limit maximum flow rate. Specified flow rates assume input water with 95% UVT

† Chamber dimensions do not include side ports or maintenance headroom. For dimensional drawings, please contact the factory.

<b>Inlet/Outlet Port Size:</b>	3/4" MNPT
<b>Max Operating Pressure:</b>	100psi (6.9bar)
<b>Water Temperature:</b>	4 - 37°C (40-99°F)
<b>Power Consumption:</b>	40 watts
<b>Lamp Consumption:</b>	35 watts
<b>Lamp Output:</b>	10.5 watts UVC
<b>AC Supply Voltage:</b>	120V or 240V (47-63Hz)

### THE WARRANTY

UV Dynamics 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 61 (materials safety only)**  
**NSF/ANSI 372 (lead free compliance)**  
**CSA-B483.1**

\*visit iapmo.org for model information