



# 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:
  - UV320E basic model
  - UV320 + solenoid compatible
  - UV320/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 biosdosimetry methods by GAP EnviroMicrobial Services.

### PRODUCT SPECIFICATIONS

<b>Flow Rate* - 16mJ/cm<sup>2</sup>:</b>	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>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 [iaproto.org](http://iaproto.org) for model information