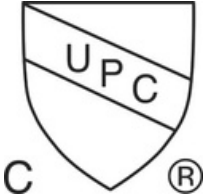


IAPMO RESEARCH AND TESTING, INC.

5001 E. Philadelphia Street, Ontario, CA 91761-2816 • (909) 472-4100 • Fax (909) 472-4244 • www.iapmort.org



IAPMO R&T Product Listing



IAPMO Research and Testing, Inc. is a product certification body in which its product certification system includes inspection and testing of samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and/or warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

This IAPMO R&T Listing is current as of 8/4/2024

- Product: Ultraviolet Microbiological Water Treatment System File No. W-10595
- Issued To: CASTLE CIRCUITS INC. DBA UV
DYNAMICS 315 NEPTUNE
CRESCENT LONDON ONTARIO
Canada
- Identification: A permanent plate or label shall be affixed in a readily accessible location on the system and shall contain, at a minimum, the following information:
- model number and class designation;
 - name and address of manufacturer;
 - maximum working pressure in kPa (psig);
 - maximum operating temperature in degrees C (degrees F);
 - model number of UV lamps;
 - maximum operating feed water temperature in degrees C (degrees F);
 - applicable warning signs;
 - a use limitations statement: "See instruction manual for use conditions";
 - maximum flow rate in L/min (gpm or gpd);
 - operational voltage, amperage, and Hertz of the system;
 - required replacement intervals of ultraviolet lamp(s);
- The product may also be marked with the standard designation "NSF/ANSI 55". The product shall bear the cUPC® mark.
- The product packaging shall be marked with: (a) the manufacturer's recognized name, trademark, or other mark; or (b) in the case of private labelling, the name, trademark, or other mark of the customer for whom the fitting was manufactured.
- Characteristics: The point-of-use and point-of-entry systems addressed by this Standard are designed to be used for the reduction of microbiological organisms (bacteria, virus, and cyst) that may be present in drinking water of unknown quality which are considered health hazards. This standard covers systems which use ultraviolet (UV) radiation within the range of 240 nm to 300 nm inclusive.
- Class A systems are designed to be used for treating microbiologically unsafe water, but do not reduce chemical or inert particulate contaminants. Systems covered in this standard are designed to inactivate microorganisms, including bacteria, virus and cysts, from water.

Class B systems are designed to be used for supplemental bactericidal treatment for the inactivation of nonpathogenic nuisance microorganisms that may be present in drinking water considered to be microbiologically safe and of known quality. Class B systems are not to be used on water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

To be used and installed in accordance with the manufacturer's instructions.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following code(s):

Uniform Plumbing Code (UPC®)

Products are certified to the following standard(s):

NSF/ANSI 55-2020

Model Number	Rated Service Flow (gpm)	Replacement Component	Reduction Claims
8.40C	8	400269	Class A Disinfection
11.40C	11	400270	Class A Disinfection
14.40C	14	400158	Class A Disinfection
20.40C	20	400271	Class A Disinfection
30.40C	30	400272	Class A Disinfection

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