



NSF listings of Certified UV's.....Interpretation of DWSNZ2008

We have been advised that some Drinking water Assessors will only approve UV,s that appear on the NSF website, this being proof that the UV indeed meets the requirements of DWSNZ2008

DWSNZ2008 states as follows, copied directly from table 10.1 of the regulations.....

4. The UV unit must meet (and operate within the specifications of) one of the following standards: NSF/ANSI 55-2002 Class A (NSF and ANSI 2002b); DVGW Technical Standard W294; öNORM M5873-1 (Osterreichisches Normungsinstitut 2001); or equivalent (ie, to deliver at least 40 mJ/cm² validated reduction equivalent dose at the UVT and turbidity present).

1): Meeting any of the 3 standards listed is not the same as being listed as approved on NSF,s own site.

For example if a UV meets O-Norm it will certainly not be listed on the NSF website but will still meet the requirements of DWSNZ2008.

2): Some manufacturers, including UV Dynamics, have chosen to have their products tested to NSF/ANSI-55 by a lab other than NSF. This means that their products, although meeting the standard will also not appear on the NSF listing.

To simply limit approved products to those listed on the NSF website is to exclude many products that actually meet the requirements of the Standard and is not within the wording nor, we believe, the intention of the regulations.

Our WQA independently tested UV units meet NSF/ANSI-55 and thus qualify for use under DWSNZ20008. The WQA listing confirming that our units meet the NSF standard follows as appendix 1.

Our SITA O-norm range comes with individual O-Norm certification as per the sample certificate, Appendix 2.

We hope this clarifies the issue.

APPENDIX 1

Water Quality Association

04/08/2013



CERTIFIED ULTRAVIOLET MICROBIOLOGICAL WATER TREATMENT SYSTEMS

NSF/ANSI-55 Ultraviolet Microbiological Water Treatment Systems

This section of the directory lists those UV-microbiological water treatment systems which have been WQA validated in accordance with "Voluntary Industry Standard For Ultraviolet Microbiological Water Treatment Systems," NSF/ANSI-55, and is published periodically by the Water Quality Association (WQA), as a service to the industry and consumers. The WQA is a not-for-profit international association of manufacturers, distributors, and dealers of water treatment systems for household, commercial, and industrial applications. This on-line directory is continuously updated to identify those water treatment equipment products that have been tested and passed stringent industry standards to become validated by the Water Quality Association.

Validation means that a production model of the listed line of UV-microbiological water treatment systems was tested at the Water Quality Association laboratory, or any of the other testing laboratories recognized by the Water Quality Association, and was found to have met the standards for removal of microorganisms (including bacteria and viruses) in drinking water. In addition, the materials and components used in these validated drinking water treatment units have met the rigorous safety and structural integrity and strength requirements set by industry Standard NSF/ANSI-55.

Replacement Components for a system may or may not reduce all reduction claims that system makes. Verify through literature what contaminant(s) each replacement component reduces. Note that replacement component(s) may be required for system to operate properly even though that same replacement component may not reduce contaminants for claims made under this standard.

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<http://12.2.248.199/goldseal/4.html>

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WQA Goldseal Certified Products

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Product Type: Point-of-Entry

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

APPENDIX 2

Biodosimetric and radiation-physical examination of the
UV system S.I.T.A., UV 80 / 6 ON according to ÖNORM M 5873-1

OVERALL ASSESSMENT

Based on the presented test reports and expertises the

**UV Disinfection System UV 80 / 6 ON (Low Pressure Lamps)
(S.I.T.A. srl, 16161 Genova, Italy)**

achieved under the operation conditions tested the microbicidal requirements of the Austrian National Standard ÖNORM M 5873-1, D.4.1.3, test procedure B. The Reduction Equivalent Fluences exceeded at all test points 400 J/m².

In compliance with the operation conditions given in Part C (also see overall assessment, page 2) the disinfection efficacy of the UV system meets the requirements of ÖNORM M 5873-1 "Plants for the Disinfection of water using Ultraviolet Radiation" (demanded minimum Reduction Equivalent Fluence 400 J/m²).

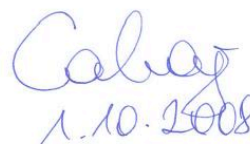
Online measurement of the UV-transmittance is not necessary for the operation of this UV system.

The testing of the electro-technical equipment and the materials used are not subject of this assessment.



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Cabaj
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