



# Delta UV

Ultraviolet Solutions

*Safer for you, Better for the Environment*

## D&DS Pool Series Ultraviolet Water Sanitation and Chloramine Reduction



### Engineered and Designed Specifically for Residential Pool Water Maintenance

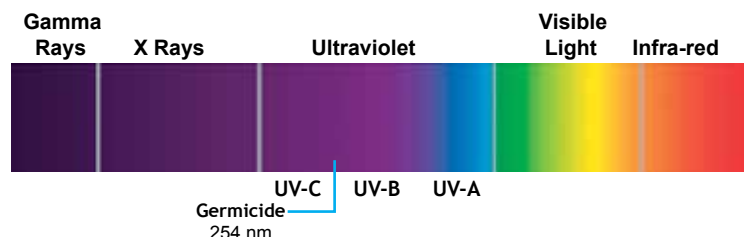
Offer an incomparable and safer pool experience for your family and friends - silky smooth, odorless and salt-free.

#### FOR A CLEANER, HEALTHIER ENVIRONMENT

- Reduces chemical use by 50%
- Sterilizes micro-organisms that chlorine and salt systems can't
- No nasty chlorine smell
- No more red eyes, dry skin or damaged hair
- Easier pool maintenance, simple, reliable
- Prolongs pool & equipment life
- Environmentally friendly
- Compatible with all pool chemical treatments
- A treatment that can be automated with an existing chlorinator

#### The UV Concept

The sun emits invisible light - ultraviolet light. Through leading edge technology, this natural phenomenon is reproduced inside the sanitizers of the Delta UV product range using powerful UV-C ray lamps. At 254 nanometers, the optimum wavelength for sterilizing micro-organisms (viruses, bacteria, algae, yeast, mold, etc.), Delta UV-C rays penetrate and disrupt their DNA, permanently deactivating germ cell metabolism so they cannot reproduce.



# D&DS Series

## Ultraviolet Water Sanitation and Chloramine Reduction

### Ultraviolet Disinfection D&DS RANGE SPECIFICATIONS

E&S UV model	Max. Flow Rate GPM	Max. Flow Rate m <sup>3</sup> /h	Performance in millijoules per cm <sup>2</sup> at actual recommended flow rates	Pressure max.	UV lamp Power	Diameter of reactor	Total height	Inlet/Outlet diameter PVC union
D&DS 31	31	7	30mJ/cm <sup>2</sup>	40 psi - 3 bars	1 x 30W	8" - 203 mm	18" - 450,8 mm	2" - 63 mm
D&DS 46	46	10	30mJ/cm <sup>2</sup>	40 psi - 3 bars	1 x 45W	8" - 203 mm	24 <sup>1/2</sup> " - 625 mm	2" - 63 mm
D&DS 57	57	13	30mJ/cm <sup>2</sup>	40 psi - 3 bars	1 x 55W	8" - 203 mm	27 <sup>1/2</sup> " - 698,5 mm	2" - 63 mm
D&DS 80	80	18	30mJ/cm <sup>2</sup>	40 psi - 3 bars	1 x 80W	8" - 203 mm	39" - 987 mm	2" - 63 mm
D&DS 110	110	25	30mJ/cm <sup>2</sup>	40 psi - 3 bars	1 x 90W	8" - 203 mm	46" - 1168 mm	2" - 63 mm

### UV TECHNOLOGY FOR HEALTH

Unlike the addition of chemicals or salt chlorine generation, UVC technology sterilizes harmful contaminants such as Cryptosporidium, Giardia, E.Coli, bacteria, viruses and even algae without adding anything to the water. These contaminants are deactivated after passing through the UV chamber without creating harmful by-products.

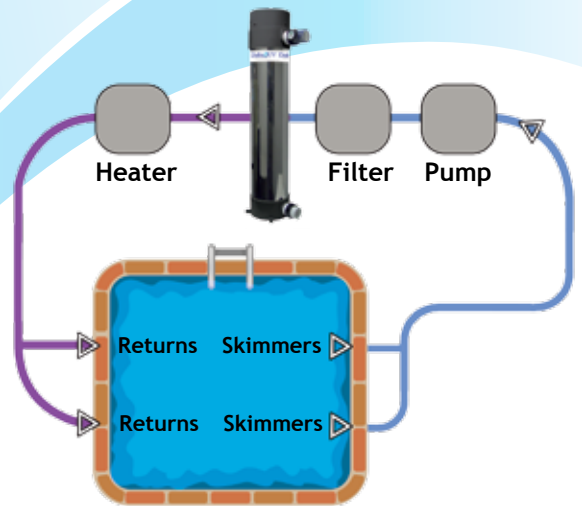
The process results in the cleanest, purest water possible for your pool. The UV unit is inserted into the pool's plumbing system just after the filter. The UV lamp bulbs are rated for approximately 16,000 hours. Easy to install, the Delta UV units

have a minimal footprint and can be mounted vertically on the pool equipment pad.



### UV Simplicity for Savings

- Drastically reduce chemical usage—lower operating costs.
- Minimal Maintenance
- No side effects—Non-corrosive & doesn't affect pH, Alkalinity or TDS.
- Fast, Easy installation & Maintenance- simply plumb into system after filter.



### D&DS PRODUCT LINE SPECIFICATIONS

- Power Input: 120/240V/50/60hz
- Housing: D Series-special 8" PVC Plastic
- DS Series-special 8" PVC Plastic with Stainless Steel Wrapper
- Ballast: Electronic
- Lamp: High Output – Low Pressure (16,000 hrs.)
- Indoor/Outdoor Installation: Yes
- Limited Warranty: 2 Years (1 year bulb) Pro-Rated
- Plumbing options : 2" PVC Unions



EPA Est #075659-CA-001

Contact DELTA UV toll free at 1-866-889-8765 or 1-310-323-6400 or online at [info@deltauv.com](mailto:info@deltauv.com).

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[info@deltauv.com](mailto:info@deltauv.com) P/N 94-20515 Rev. 03.2016

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