



Agri
series



As a business owner operating in agriculture or greenhouse horticulture, you need to be able to rely on safe irrigation water. Whatever the quality of the source may be. Our Agri series offers you security. These robust UV disinfection systems for the irrigation sector guarantee optimal disinfection, no matter how cloudy the water is. The self-controlling wiper function ensures minimal maintenance and low-pressure lamps mean minimal energy consumption. Our Agris are hereby contributing to a better harvest and reliable and safe food. But not only that. It helps your organisation to use and reuse water as efficiently as possible, especially now that this is becoming an increasingly important topic of debate.

Contact details

Van Remmen UV Technology
Hooglandweg 3a
8131 TE Wijhe
Nederland

+31 (0)570 521890
info@vanremmen.nl
www.vanremmen.nl



Reference case



Safe spraying and irrigating, even during periods of drought.

Van Remmen UV Technology and UVO3 help British agricultural companies produce safe food. With the Agri systems, they meet increasingly strict requirements, even with increasing drought.

Agricultural businesses and horticulturists face significant challenges in today's farming sector. They are dedicated to producing high-quality products through careful soil cultivation, strict hygiene measures, and crop protection against diseases and bacteria. However, new obstacles arise, such as stricter food safety requirements from buyers and increasing drought, particularly noticeable in the United Kingdom.

In the UK, supermarkets now demand that vegetables and fruits be sprayed with water free from viruses and bacteria, posing a challenge for farmers, especially those who reuse water. The Van Remmen UV Technology Agri-system, installed by UVO3, offers a promising solution. This UV system effectively disinfects irrigation water, regardless of water quality, with minimal maintenance and energy consumption.



Benefits



Customised system

At Van Remmen UV Technology we combine knowledge of the agricultural sector and greenhouse horticulture with in-depth knowledge of UV technology. The result is a customised system of the highest quality in the market, which is precisely tailored to your needs. This user-friendliness means you can start right away.



Automatic disinfection and sensing

The Agri has an automatic wiping system for the quartz tubes. UV and temperature sensors monitor the effectiveness of the UV lamps and clean the tube when necessary. This means that the system always performs at maximum capacity. No matter how intensively you use it and no matter how dirty the irrigation water is. This saves a lot of manual maintenance and guarantees quality.



Robust design

The Agri is built for practical use. For bumpy rides over meadows, for good and bad weather. Thanks to the robust design, the Agri always works. This assures you of microbiologically safe water, allowing you to focus on what you excel at: growing food.

Specifications



Type	A40	A80	A125	A150	A180	A240	A300	A335	
UV chamber									
Material	316L / 1.4404 Stainless steel								
In-/Outlet Connections	DN100, PN16	DN100, PN16	DN150, PN16	DN150, PN16	DN200, PN16	DN200, PN16	DN250, PN16	DN250, PN16	
Pressure drop	< 0.2 bar								
Max. Pressure	10 bar at 25°C								
Cleaning system	Fully automated wiper								
Mounting orientation	Horizontal/ Vertical	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	
Diameter - A (mm)	204	204	204	204	254	254	354	354	
Height - B (mm)	287	287	287	287	336	336	354	354	
Installation dimension - C (mm)	1131	1327	1597	1597	1573	1573	1692	1692	
Length - D (mm)	1321	1891	2161	2161	2186	2186	2357	2357	
Required working space - E (mm)	2500	3100	3640	3640	3670	3670	3980	3980	
Weight (kg)	60	80	84	84	95	95	160	160	
UV-C lamp									
Lamp type	120 W Long Life	205 W Long Life	325 W Long Life	325 W Long Life	325 W Long Life	325 W Long Life	325 W Long Life	325 W Long Life	
Preferred water temperature (°C)	5°C - 30°C								
Total UV-C output (Watt)	152	232	464	580	580	812	928	1044	
Lamp lifespan (hours)	16000								
Number of lamps	4	4	4	5	5	7	8	9	
Control Unit									
Material	Plastic								
Dimensions (lxbxh)	847x636x300 mm					1056x852x350 mm			
Control features	OK/Running & Fault indicators, hours run meter, UV Intensity display, Temperature sensor, 4/20mA output, Remote Start/Stop								
Options	UV intensiteitssensor en temperatuursensor (TSS), Modbus RTU, Remote monitoring								
Operating voltage	230 VAC, 50/60 Hz								
Electrical connection	16A C-char. / 10A D-char.		20A C-char./10A D-char.		25A C-char. /16A D-char.		40A C-char. /20A D-char.		50A C-char./25A D-char.
Protection rating	IP56								
Preferred ambient temperature (°C)	5°C - 35°C								
Total Power Consumption (Watt)	580	915	1445	1810	1810	2530	2890	3610	

Unit	T10 30%	T10 40%	T10 50%	T10 60%	T10 70%	T10 80%	T10 90%
Agri 40	10	13	17	23	31	44	68
Agri 80	17	23	30	40	54	77	117
Agri 125	29	38	51	67	92	132	200
Agri 150	37	48	63	84	114	162	244
Agri 180	38	50	65	87	121	179	289
Agri 240	52	68	89	119	164	238	382
Agri 300	61	80	105	142	199	299	519
Agri 335	64	85	114	155	219	333	584

Capacities - Transmittance diagram

