



Swimming pool Intelligent *series*

The Swimming pool Intelligent series is specially designed for the disinfection of swimming pool water for public pools. The Si series ensures microbiologically safe water and decreases the bound chlorine level. The Si series is microbiologically tested according to NEN-EN 14897 standards. Readings from swimming



pools equipped with our UV systems prove there is a lower level of bound chlorine. By applying Si disinfection systems, you can save on supply of fresh water, energy and chemical use. This series has a range of approximately 40m³/h up to 414 m³/h based on a dosage of 400J/m² at a transmittance (T10) of 95%.

Characteristics

- Flange sizes in line with standards for public swimming pools
- Reliable and effective disinfection
- Low maintenance and easy to use
- Energy efficient
- Low-pressure lamps with a long lifespan and high UV-C efficiency.

Specifications



Type	S20i	S30i	S40i	S65i	S130i
UV Chamber					
Material	RVS 316				
In-/Outlet connections	DN65 PN10	DN80 PN10	DN80	DN125 PN10	DN150 PN10
Flange	PN10				
Pressure drop	<0.2 bar				
Max. pressure	10 bar 25°				
Other	Optional	½" drain valve and ½" venting connection			
Mounting orientation	Horizontal	Horizontal	Horizontal	Horizontal/ vertical	Horizontal
Diameter - A (mm)	129	129	129	254	304
Height - B (mm)	165	170	120	273	298
Installation dimension - C (mm)	1038	1331	1604	1321	1543
Length - D (mm)	1160	1490	1790	1541	1774
Required working space - E (mm)	2200	2900	3440	2940	3400
Weight (KG)	21	21	17	51	67.3

UV-C lamp

Lamp type	120W Long Life	205W Long Life	325W Long Life	120W Long Life	205W Long Life
Preferred water temp. (°C)	5 °C - 30°C				
Total UV-C output (Watt)	38	58	116	114	174
Lamp lifespan (hours)	16000				
Number of lamps	1	1	1	3	3

Control Unit

Material	Aluminium and recycled ABS			Coated steel	
Dimensions (Lxbxh)	280x150x90mm			600x600x210 mm	
Control features	Lamp status, lamp hours, system running time, volt free alarm contacts				
Sensors	UV-C Sensor (UVS) and Temperature Safety Sensor (TSS)				
Operating voltage	230 VAC, 50/60 Hz				
Electrical connection	6A C-char./4A D-char.			16A C-char./10A D-char.	
Protection rating	IP55			IP54 standard	
Preferred ambient temperature (°C)	5°C - 35°C				
Total Power Consumption (Watt)	140	230	365	435	690
Length lamp cable	1 meter (3 of 6 optional)			3 meter (6m optional)	

Approvals

Complies with	Low Voltage Directive (LVD) 2014/35/EU, Electromagnetic Compatibility Directive (EMC) 2014/30/EU, Machinery Directive 2014/42/EC
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Specifications



Type	S195i	S250i	S330i	S410i
UV Chamber				
Material	RVS 316			
In-/Outlet connections	DN200 PN10	DN250 PN10	DN250 PN10	DN300 PN10
Flange	PN10			
Pressure drop	< 0.2 bar			
Max. pressure	10 bar 25°			
Other	Optional ½" drain valve and ½" venting connection			
Mounting orientation	Horizontal	Horizontal	Horizontal	Horizontal
Diameter - A (mm)	254	354	354	354
Height - B (mm)	299	352	352	352
Installation dimension - C (mm)	1568	1756	1756	1591
Length - D (mm)	1883	2056	2057	1932
Required working space - E (mm)	3600	3970	3960	3720
Weight (KG)	68.8	98.4	100.7	106.3

UV-C lamp

Lamp type	325W Long Life	325W Long Life	325W Long Life	325W Long Life
Preferred water temp. (°C)	5 °C - 30°C			
Total UV-C output (Watt)	348	348	464	580
Lamp lifespan (hours)	16000			
Number of lamps	3	3	4	5

Control Unit

Material	Coated Steel			
Dimensions (lxbxh)	600x600x210 mm			
Control features	Lamp status, lamp hours, system running time, volt free alarm contacts			
Sensors	UV-C Sensor (UVS) and Temperature Safety Sensor (TSS)			
Operating voltage	230 VAC, 50/60 Hz			
Electrical connection	16A C-char./10A D-char.			25A C.C-char./10A D-char
Protection rating	IP54			
Preferred ambient temperature (°C)	5°C - 35°C			
Total Power Consumption (Watt)	1085	1085	1450	1810
Length lampcable	3 meter (6 optional)			

Approvals

Complies with	Low Voltage Directive (LVD) 2014/35/EU, Electromagnetic Compatibility Directive (EMC) 2014/30/EU, Machinery Directive 2014/42/EC
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Capacities in m³/h at a dose of 400 J/m²

Unit	T10 90%	T10 95%	T10 98%	T10 99%
S20i	13	16,5	18,9	19,8
S30i	25	36	45	48
S40i	45,1	55,9	65,3	69,1
S65i	49	64	77	87
S130i	93	129	159	185
S195i	151	197	236	267
S250i	178	254	324	389
S330i	238	336	429	513
S410i	292	414	529	634

Capacities - Transmittance diagram

