



Certified
series



The Certified series is developed to give water with a transmittance of 80% to 99% the quality and security of drinking water. All types of systems from this series underwent an extensive certification process to guarantee quality.

The Certified series is tested and approved according to norm CEN-EN 14897:2006 and is type approved by the NIPH (Norwegian Institution of Public Health). The appropriate UV dosage is determined by linking the accurately measured UV intensity with the simultane-

ously measured flow. If this dosage is insufficient, the process can be altered to ensure that the desired or required UV dosage is reached. When this cannot be reached by adjusting the flow, the water stream is shut off to assure that not a single drop will pass without the correct UV dosage.

Depending on the water transmittance volumes of 3,6m³/h up to 134m³/h, can be treated with a dosage of 400J/m².

Characteristics

- CEN EN 14897:2006 Certified
- Reliable and effective disinfection
- Low in maintenance and easy to use
- Energy efficient
- Low-pressure lamps with a long lifespan and high UV-C efficiency.
- Type approved by NIPH

Specifications



Type	C340	C360	C370	C380	C390	C400	C420
UV Chamber							
Material	316L / 14404 Stainless steel						
In-/Outlet Connections (BSP-T)	1.5"	2"	2"	2.5"	3"	DN100 PN16	DN100 PN16
Pressure drop	< 0.1 bar					<0.2 bar	
Maximale druk	10 bar at 25°C						
Max. Pressure	Horizontal/ Vertical	Horizontal/ Vertical	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Diameter - A (mm)	129	129	89	129	129	204	204
Height - B (mm)	103	103	82	110	120	159	159
Installation dimension - C (mm)	547	1041	1340	1336	1604	1131	1431
Length - D (mm)	708	1207	1499	1512	1790	1321	1621
Required working space - E (mm)	1275	2270	2855	2880	3440	2640	3100
Weight (KG)	6.8	10.8	9.7	13.2	15.7	37	41.2

UV Lamp(s)

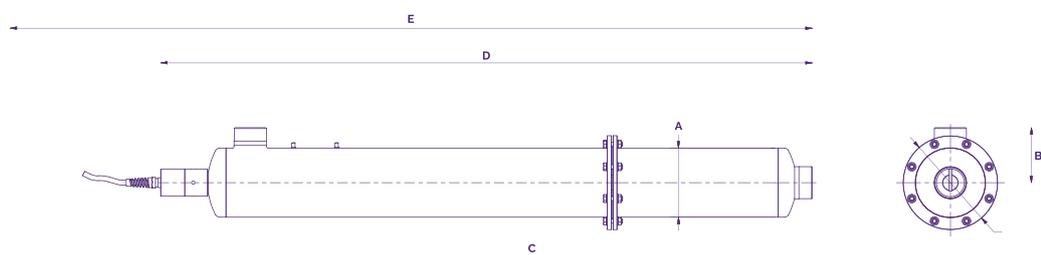
Lamp type	60 W Regular	120 W Long Life	205 W Long Life	205 W Long Life	325 W Long Life	120 W Long Life	205 W Long Life
Preferred water temp. (°C)	5 °C - 30°C						
Total UV-C output (Watt)	19	38	58	58	116	114	174
Lamp lifespan (hours)	16000						
Number of lamps	1	1	1	1	1	3	3

Control Unit

Material	Coated steel						
Dimensions (lxbxh)	400x400x210 mm					600x600x210 mm	
Control features	UV intensity (absolute Value in W/m²), lamp status, lamp hour counter, system running time, volt free alarm contacts						
Sensors (standard)	1° UV sensor conform ÖNORM						
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	
Preferred ambient temp. (°C)	5°C - 35°C						
Total Power Consumption (W)	70	140	230	230	365	435	690

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



Capacities in m³/h at a dose of 400 J/m²

Unit	T10 80%	T10 85%	T10 90%	T10 95%	T10 99%
C340	3,6	4,6	5,5	6,3	7,0
C360	9,1	9,9	11,2	13,3	16
C370	13,1	14,2	16,1	19,2	23
C380	15	17,4	21,6	28,4	36,8
C390	26,1	29	33,9	41,9	51,8
C400	30,5	38	50,7	71,5	97
C420	45,2	55,3	72,3	100,4	134,7

Capacities - Transmittance diagram

