



**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 3.6m<sup>3</sup>/h up to 134m<sup>3</sup>/h, can be treated with a dosage of 400J/m<sup>2</sup>.

## 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
<b>UV Chamber</b>					
Material	316L / 14404 Stainless steel				
In-/Outlet Connections (BSP-T)	1.5"	2"	2"	2.5"	3"
Pressure drop	< 0.1 bar				
Max. Pressure	10 bar at 25°C				
Mounting Orientation	Horizontal/ Vertical	Horizontal/ Vertical	Horizontal	Horizontal	Horizontal
Diameter - A (mm)	129	129	89	129	129
Height - B (mm)	103	103	82	110	120
Installation dimension - C (mm)	547	1041	1340	1336	1604
Length - D (mm)	708	1207	1499	1512	1790
Required working space - E (mm)	1275	2270	2855	2880	3440
Weight (KG)	6.8	10.8	9.7	13.2	15.7

## UV Lamp(s)

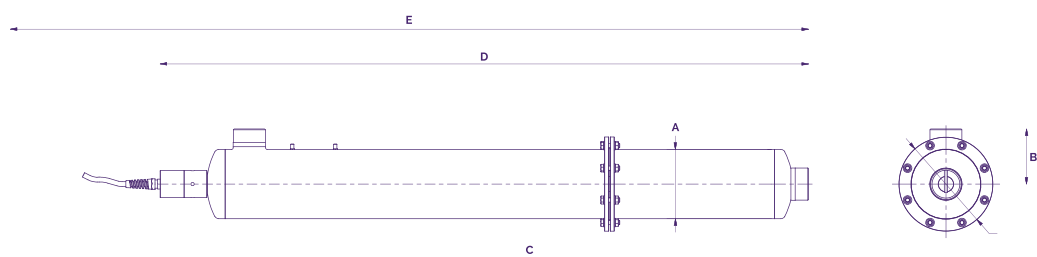
Lamp type	60 W Regular	120 W Long Life	205 W Long Life	205 W Long Life	325 W Long Life
Preferred water temp. (°C)	5 °C - 30°C				
Total UV-C output (Watt)	19	38	58	58	116
Lamp lifespan (hours)	16000				
Number of lamps	1	1	1	1	1

## Control Unit

Material	Aluminium and recycled ABS				
Dimensions (lxbxh)	280x150x90 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.				
Protection rating	IP55				
Preferred ambient temp. (°C)	5°C - 35°C				
Total Power Consumption (W)	70	140	230	230	365
Length lamp cable	1 meter (3 or 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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Type	C400	C420	C450	C490
<b>UV Chamber</b>				
Material	316L / 1.4404 RVS			
In-/Outlet Connections (BSP-T)	DN100 PN16	DN150 PN16	DN250 PN16	DN300 PN16
Pressure drop	<0.2 bar		<0.1 bar	
Max. Pressure	10 bar bij 25°C		16 bar bij 25°C	
Mounting Orientation	Horizontal	Horizontal	Horizontal	Horizontal
Diameter - A (mm)	204	204	254	304
Height - B (mm)	159	159	262	255
Installation dimension - C (mm)	1131	1431	143	1442
Length - D (mm)	1321	1621	1710	1710
Required working space - E (mm)	2640	3100	3360	3360
Weight (KG)	37	41.2	73	89

### UV Lamp(s)

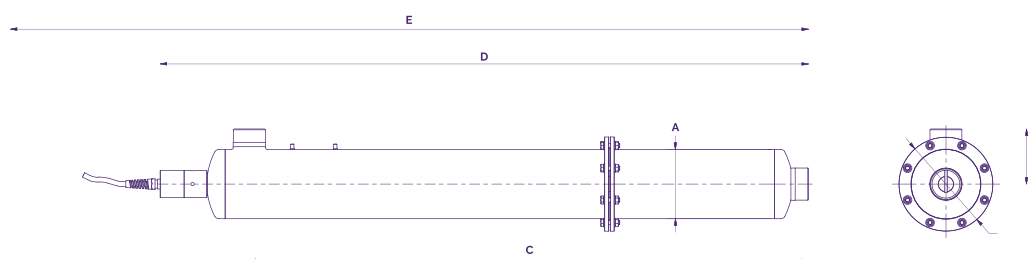
Lamp type	120 W Long Life	205W Long Life	325W Long Life	325W Long Life
Preferred water temp. (°C)	5 °C - 30°C			
Total UV-C output (Watt)	114	174	348	580
Lamp lifespan (hours)	16000			
Number of lamps	3	3	3	5

### Control Unit

Material	Coated steel			
Dimensions (lxbxh)	600x600x210 mm			
Control features	Lamp status, lamp hours, system running time, volt free alarm contacts			
Sensors (standard)	1" UV sensor conform ÖNORM			
Operating Voltage	230 VAC, 50/60 Hz			
Electrical connection	16A C-char./10A D-char.			
Protection rating	IP54			
Preferred ambient temp. (°C)	5°C - 35°C			
Total Power Consumption (W)	435	690	1085	1810
Length lamp cable	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 m<sup>3</sup>/h at a dose of 400 J/m<sup>2</sup>

Unit	T10 80%	T10 85%	T10 90%	T10 95%	T10 99%
C340	3,7	4,6	5,7	7,3	8,8
C360	7,8	10,1	13	16,5	19,8
C370	12,5	15	18,4	22,5	26,4
C380	13	17,6	25,1	35,8	47,6
C390	27,3	35,8	46,3	59,9	72,8
C400	30,5	38	50,7	71,5	97
C420	48	63	83	109	135
C450	79	114	163	233	310
C490	149	186	233	291	349

Capacities - Transmittance diagram

