



Process
series



The P series is an all-round system for the disinfection of processed water, water re-use and recycling, waste water, and cooling water: in general liquids with a transmittance ranging from 60% to 80%.

The P-series stands for efficiency and ease. The systems can treat up to 360m³ water per hour at a dose of 300 J/m², with a very low energy use and very limited maintenance costs.

Characteristics

- Reliable and effective disinfection
- Low maintenance
- Easy to use
- Energy efficient
- Low-pressure lamps with a long lifespan and high UV-C efficiency.

Specifications



Type	P1	P2	P4	P7	P11	P19	P27
UV Chamber							
Material	316L / 14404 Stainless steel						
In-/Outlet Connections	1" BSP-T, PN16	1" BSP-T, PN16	1" BSP-T, PN16	2" BSP-T, PN16	2" BSP-T, PN16	2" BSP-T, PN16	3" BSP-T, PN16
Pressure drop	< 0.1 bar						
Max. Pressure	10 bar at 25°C						
Mounting orientation	Vertical / Horizontal	Vertical / Horizontal	Vertical / Horizontal	Horizontal	Horizontal	Horizontal	Vertical / Horizontal
Diameter - A (mm)	60	60	60	60	60	89	129
Height - B (mm)	63	63	63	67	67	82	120
Installation dimension - C (mm)	554	554	1054	1332	1602	1610	1604
Length - D (mm)	690	690	1190	1479	1749	1769	1790
Required working space - E (mm)	1244	1244	2240	2800	3350	3400	3440
Weight (KG)	3.4	3.4	5.6	7	8.2	10.9	15.4

UV-C lamp

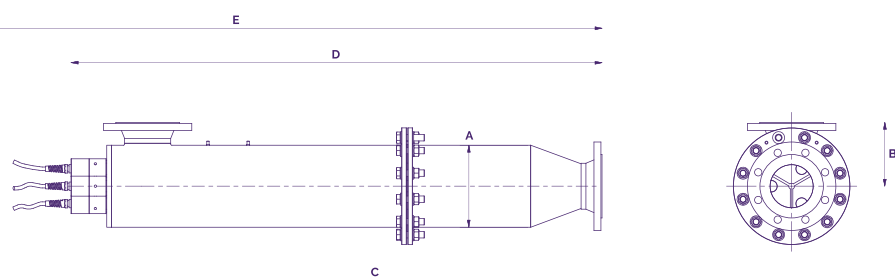
Lamp type (low pressure)	25W Regular	50W Regular	120 W Long life	205W Long life	325W Long life	325W Long life	325W Long life
Preferred water temp. (°C)	5°C - 30°C						
Total UV-C output (Watt)	7	15	38	58	116	116	116
Lamp lifespan (hours)	8000	8000	16000	16000	16000	16000	16000
Number of lamps	1	1	1	1	1	1	1

Control unit

Material	Aluminium and ABS						
Dimensions (lxbxh)	300x160x110 mm						
Weight (KG)	2.1						
Control features	Lamp status, lamp hours, system running time, volt free alarm contacts						
Sensors (Optional)	UV-C sensor (UVS) and Temperatur Safety Sensor (TSS)						
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)	30	60	145	230	365	365	365

Approvals

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



Specifications



Type	P30	P40	P60	P80	P110	P160
UV Chamber						
Material	316L / 1.4404 Stainless steel					
In-/Outlet Connections	DN100, PN16	DN100, PN16	DN100, PN16	DN150, PN16	DN150, PN16	DN150, PN16
Pressure drop	< 0.2 bar					
Max. Pressure	10 bar at 25°C					
Mounting orientation	Vertical / Horizontal	Vertical / Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Diameter - A (mm)	204	204	204	254	254	204
Height - B (mm)	159	159	159	187	187	220
Installation dimension - C (mm)	1131	1131	1431	1550	1814	1573
Length - D (mm)	1321	1321	1621	1770	2034	1824
Required working space - E (mm)	2640	2500	3100	3400	3920	3500
Weight (KG)	36	37.5	40.2	58.9	61.4	54.6

UV-C lamp

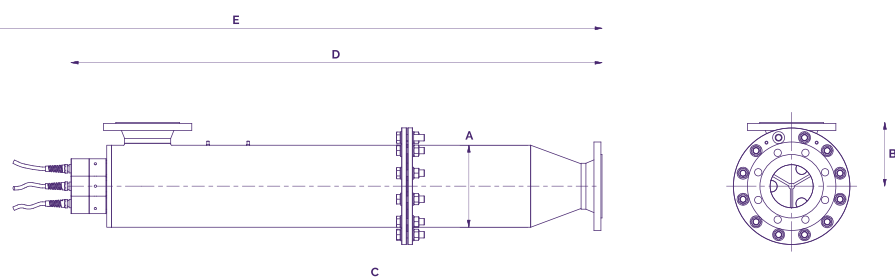
Lamp type (low pressure)	120W Long Life	120W Long Life	205W Long Life	205W Long Life	325W Long Life	325W Long Life
Preferred water temp. (°C)	5°C - 30°C					
Total UV-C output (Watt)	114	152	174	232	345	580
Lamp lifespan (hours)	16000					
Number of lamps	3	4	3	4	3	5

Control unit

Material	Coated steel					
Dimensions (lxbxh)	600 x 600 x 210mm	800 x 600 x 210mm	600 x 600 x 210mm	800 x 600 x 210mm	600 x 600 x 210mm	800 x 600 x 210mm
Weight (KG)	18	19	18	19	18	19
Control features	Lamp status, lamp hours, system running time, volt free alarm contacts					
Sensors (Optional)	UV Sensor (UVS), Temperature Safety Sensor (TSS), Temperature Safety Dumpvalue (TSD)					
Operating Voltage	230 VAC, 50/60 Hz					
Electrical connection	16A C-char./10A D-char.	20A C-char./10A D-char.	16A C-char./10A D-char.	20A C-char./10A D-char.	16A C-char./10A D-char.	25A C-char./16A D-char.
Protection rating	IP54					
Preferred ambient temp. (°C)	5°C - 35°C					
Total Power Consumption (W)	435	580	690	915	1085	1810

Approvals

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



Specifications



Type	P180	P200	P240	P300	P350
UV Chamber					
Material	316L / 1.4404 Stainless steel				
In-/Outlet Connections	DN200, PN16	DN200, PN16	DN200, PN16	DN250, PN16	DN250, PN16
Pressure drop	< 0.2 bar				
Max. Pressure	10 bar at 25°C				
Mounting orientation	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Diameter - A (mm)	254	254	254	354	354
Height - B (mm)	322	322	322	352	354
Installation dimension - C (mm)	1588	1588	1588	1706	1758
Length - D (mm)	1903	1903	1903	2057	2059
Required working space - E (mm)	3800	3660	3660	3970	3960
Weight (KG)	73.5	75.8	77.6	108.9	113.6

UV-C lamp

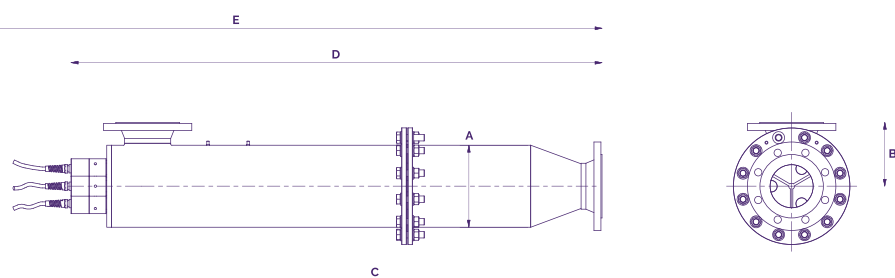
Lamp type (low pressure)	325W Long Life	325W Long Life	325W Long Life	325W Long Life	325W Long Life
Preferred water temp. (°C)	5°C - 30°C				
Total UV-C output (Watt)	580	696	812	928	1044
Lamp lifespan (hours)	16000				
Number of lamps	5	6	7	8	9

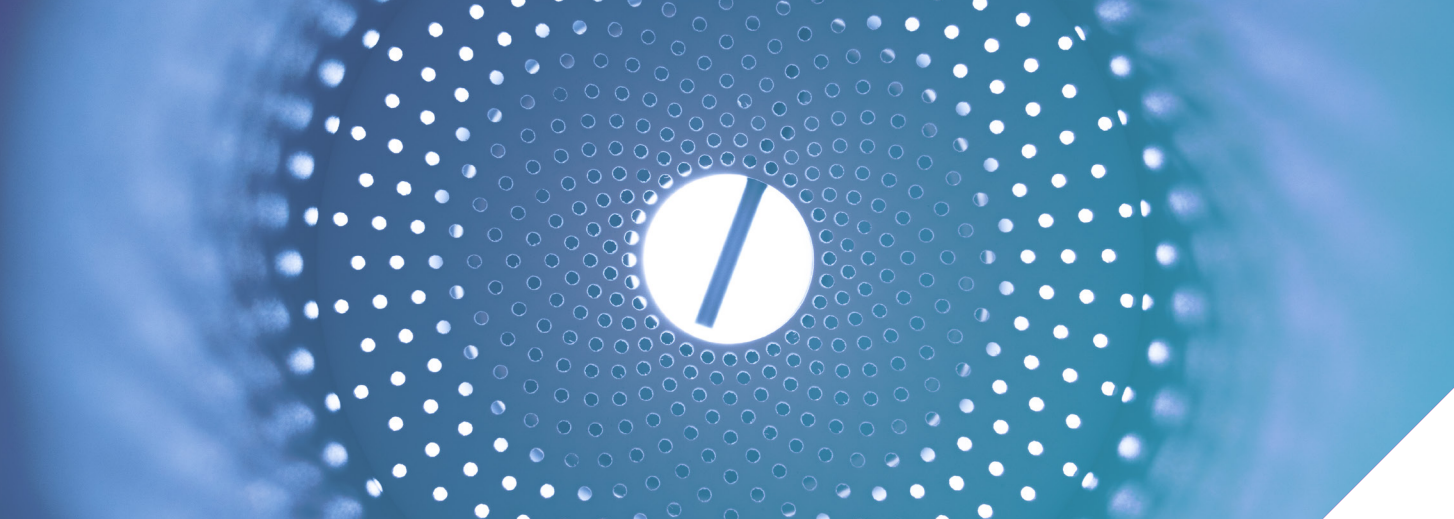
Besturingskast

Material	Coated steel				
Dimensions (lxbxh)	800 x 600 x 210	800 x 800 x 210		1000 x 800 x 300	
Weight (KG)	19	19	26	28	28
Control features	Lamp status, lamp hours, system running time, volt free alarm contacts				
Sensors (Optional)	UV-C sensor (UVS) en Temperatuur Safety Sensor (TSS) Temperature Safety Dumpvalue (TSD)				
Operating Voltage	230 VAC, 50/60 Hz				
Electrical connection	25A C-char./16A D-char.	32A C-char./16A D-char.	40A C-char./20A D-char.	40A C-char./20A D-char.	50A C-char./25A D-char.
Protection rating	IP54				
Preferred ambient temp. (°C)	5°C - 35°C				
Total Power Consumption (W)	1810	2170	2530	2890	3610

Approvals

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





Capacities in m³/h at a dose of 300 J/m²

Unit	T10 60%	T10 65%	T10 70%	T10 75%	T10 80%
P1	0.6	0.7	0.7	0.7	0.8
P2	1.1	1.1	1.2	1.3	1.3
P4	3.1	3.2	3.4	3.5	3.7
P7	6.2	6.5	6.8	7.1	7.4
P11	9.2	9.7	10.1	10.6	11.1
P19	13.5	14.8	16.1	17.5	18.9
P27	16.3	18.5	20.9	23.7	26.9
P30	17	20	23	28	34
P40	23	27	31	37	44
P60	29	34	40	47	57
P80	40	47	56	67	83
P110	53	62	74	89	109
P160	84	97	114	135	162
P180	87	102	121	146	179
P200	99	116	138	166	203
P240	119	139	163	196	238
P300	142	167	199	241	299
P350	171	201	239	289	358

