

### **Low Transmittance** *series*

The LT-series is a UV-C disinfection system especially designed for liquids with Transmittance levels in the very low range of 1 – 10% (T10-value). The thin water layer in combination with high intensities make it possible to treat these waters. Typical examples of applications can be found in the food- and pharmaceutical industry, where organic components in the liquid are the primary cause of the high absorption of the UV-C light.



## *Characteristics*

- Effective at 1-10% transmittance
- Long life, low pressure UV lamps
- Continuous monitoring of the lamp

# Specifications



Type	LT-300	LT-600	LT-900
<b>UV kamer</b>			
Material	316L / 14404 Stainless steel		
In-/Outlet Connections	BSP 1"		
Pressure drop	< 0.1 bar		
Max. Pressure	10 bar at 25°C		
Mounting orientation	Horizontal/ Vertical	Horizontal	Horizontal
Diameter - A (mm)	38	38	38
Total depth- B (mm)	72	72	72
Dimension - C (mm)	57	57	57
Total lenght - D (mm)	1137	1425	1695
Lenght - E (mm)	1052	1330	1600
Weight - empty/full (KG)	6/7	11/12	16/17

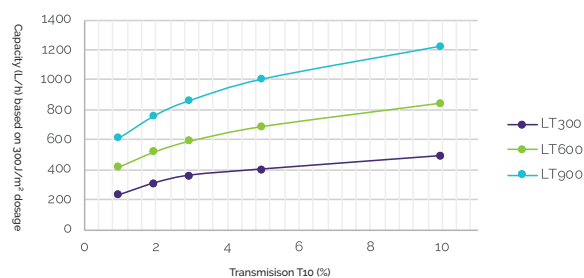
## UV-C lamp(s)

Lamp type (low pressure)	High output amalgam		
Preferred water temp. (°C)	5 °C - 30 °C		
Total UV-C output (Watt)	38	58	115
Lamp duration (hours)	16000		
Number of lamps	1		

## Control Unit

Material	Aluminium en 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 Sensor, Temperature control, Sanitary connections, Eex explosive safety rate: zone 2		
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)	145	230	365

## Capacity - Transmission diagram



## Capacity (L/h) based on 300 J/m² dosage

System	T10 1%	T10 2%	T10 3%	T10 5%	T10 10%
LT300	220	300	350	390	480
LT600	410	510	580	675	830
LT900	600	750	850	990	1210

