

# UV Disinfection Equipment System „Serie EL-TW“

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## For Disinfection of drinking water:

- Disinfection up to 18 m<sup>3</sup>/h per reactor (depending on UV transmission and irradiation H)
- Irradiation H according to application 250 – 400 J/m<sup>2</sup>
- Power of UV lamps 25 W up to 170 W per reactor
- Simple handling and maintenance
- Modular installation possible
- Small required space
- Installation horizontally and vertically possible



## Operational Area Of System EL-TW:

- Disinfection of process water
- Disinfection of drinking water

## Features Of System EL-TW:

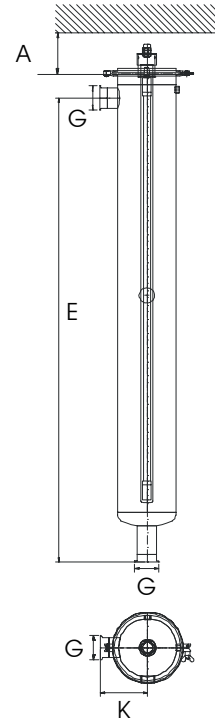
- With certified sensor according ÖNORM M5873-1, current state of certification vide information sheet
- Reactor material: stainless steel (outside electrolytically polished)
- Material: 1.4404 according DIN 11850
- Standard flanges according DIN 2642, 2632; DIN 2999 (other flanges optionally)

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### The UV Systems Consist Of:

- Reactor made from stainless steel 1.4404 with quartz tube and UV low pressure lamp (25 W; 36 W; 60 W; 170 W)
- Switch box made from sheet steel with electronic ballast, operating display, pulse counter and switch (230 V; 50 Hz)
- UV monitoring unit UE-Z

### Drawing Of Reactor:



### Technical Data:

Type	Measurements [mm]				P[W]	V [m³/h] <sup>1</sup>	Tmin <sup>2</sup> [%/1cm]
	A	E	G	K			
EL-TW 013	650	550	¾" <sup>3</sup>	90	25	1,4	95 %
EL-TW 034	1050	1000	1" <sup>3</sup>	100	36	3,5	96 %
EL-TW 054 <sup>4</sup>	1050	1000	1¼" <sup>3</sup>	100	60	5,6	90 %
EL-TW 109	1250	1.200	DN 50 <sup>5</sup>	150	170	11,4	85 %
EL-TW 155	1250	1.200	DN 65 <sup>5</sup>	175	170	16,5	90 %

Other system sizes and modification on request.

<sup>1</sup>

#### Attention:

This flow is only valid at an UV transmission of 98 % / 1 cm and an irradiation of 400 J/m<sup>2</sup>. Alternating flows can be taken out of the actually technical data sheet.

<sup>2</sup> Minimum of UV transmission (The allowable flow decreases at lower UV transmission.)

<sup>3</sup> Joint DIN 2986 with pipe thread

<sup>4</sup> Later certification in combination with the electrodeless UV lamps.

<sup>5</sup> Flange according DIN 2576