

# UV Disinfection Equipment Standard System „Serie VAP P“

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## For Disinfection of water contaminated by bacteria:

- Disinfection of 3 – 40 m<sup>3</sup>/h per reactor (depending on UV transmission and irradiation H)
- Irradiation H according to application 250, 400, 800, 1.200 J/m<sup>2</sup>
- Power of UV lamps 36 W up to 300 W per reactor
- Simple handling and maintenance
- Modular installation possible
- Small required space
- Variable flange measurements and arrangement
- Installation horizontally and vertically possible



Switch box made from stainless steel and monitoring unit optionally

## Operational Area Of System VAP P:

- Disinfection of process water
- Disinfection of drinking water (only for private use)
- Preparation of ultra-high-purity water (TOC decomposition) for certain applications<sup>1</sup>
- Cooling water circuits and air conditions
- Agriculture and pisci culture
- Swimming baths & whirlpool baths (vide extra information sheet)

## Features Of System VAP P:

- Reactor material: stainless steel (outside electrolytically polished)
- Material: 1.4301, optionally 1.4404 or 1.4571
- Standard flanges according DIN 2642, 2632; DIN 2999 (other flanges optionally)
- Air bleed valve and drain valve in bottom gasketed with Teflon
- UV System with well price performance ratio

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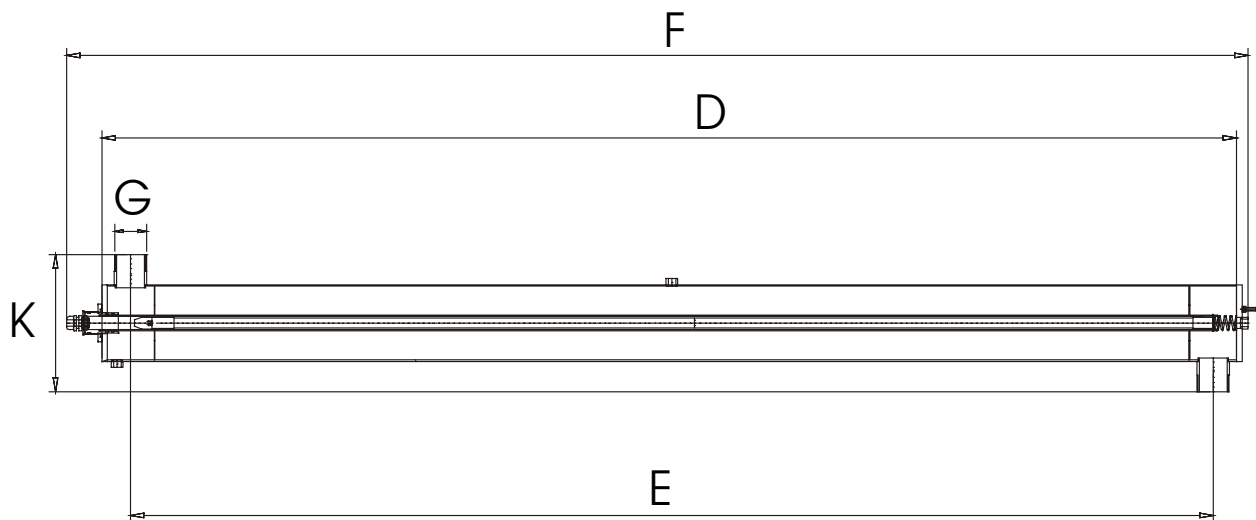
<sup>1</sup> Special applications with serie EL-LE

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## The UV Systems Consist Of:

- Reactor made from stainless steel 1.4301 with quartz tube and UV low pressure lamp (36 W; 60 W; 120 W; 170 W; 300 W)
- Switch box made from thermoplastic with electronic ballast, operating display, operation hours counter and switch (230 V; 50 Hz)
- UV monitoring unit and switch box made from sheet steel or stainless steel optionally

## Drawing Of Reactor:



## Technical Data:

Type	Measurements [mm]					P[W]	V [m <sup>3</sup> /h] <sup>2</sup>	Tmin <sup>3</sup> [%/1cm]
	D	E	F	G	K			
VAP P 033	942	850	1.005	1"	163	36	3,3	89
VAP P 044	950	850	1.005	1 <sup>1</sup> / <sub>4</sub> "	205	36	4,4	98
VAP P 056	950	850	1.005	1 <sup>1</sup> / <sub>4</sub> "	205	60	5,6	93
VAP P 073	950	850	1.005	1 <sup>1</sup> / <sub>4</sub> "	205	120	7,3	89
VAP P 153	1.205	1.050	1.300	2"	225	170	15,3	90
VAP P 190	1.205	1.050	1.300	DN 65	350	170	19,0	93
VAP P 362	1.620	1.450	1.700	DN 80	400	300	36,2	92

### <sup>2</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>3</sup> Minimum of UV transmission (The allowable flow decreases at lower UV transmission.)