

UV Equipment System For TOC Decomposition standard „Serie VAP TOC“

For TOC Decomposition In Ultra-high-purity water:

- TOC decomposition up to 12 m³/h per reactor
- Irradiation H 1.200 J/m² (other irradiation optionally)
- Power of UV lamps 25 W up to 300 W per reactor
- Simple handling and maintenance
- Modular installation possible
- Small required space
- Installation horizontally and vertically possible



Switch box made from stainless steel and monitoring unit optionally

Operational Area Of System VAP TOC:

- Preparation of ultra-high-purity water (TOC decomposition)
- Disinfection of process water

Features Of System VAP P:

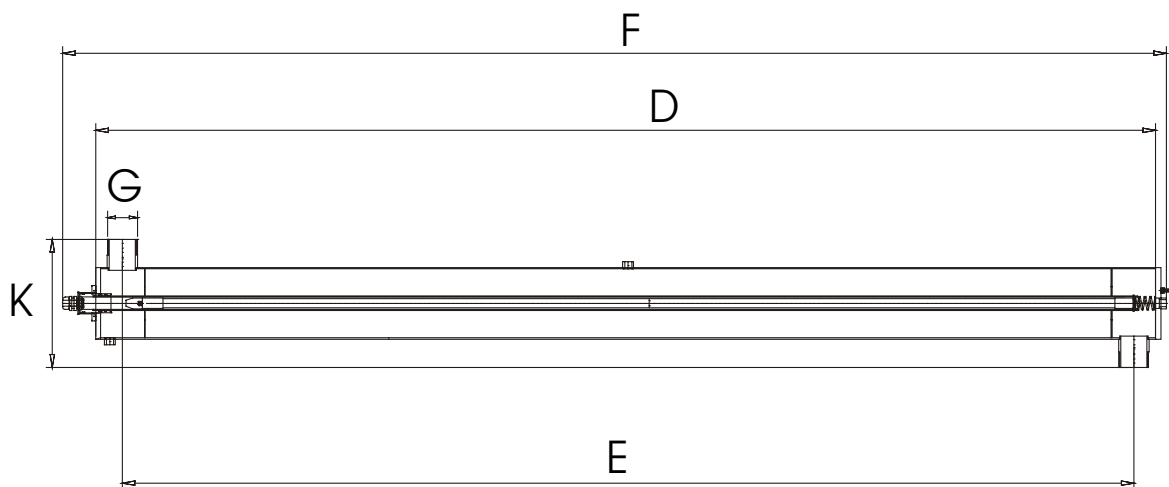
- Reactor material: stainless steel (outside electrolytically polished)
- Material: 1.4301
- Ozone forming UV lamps and special quartz tubes
- Standard flanges according DIN 2642, 2632; DIN 2999 (other flanges optionally)
- Air bleed valve and drain valve in bottom gasketed with Teflon
- UV System with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

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The UV Systems Consist Of:

- Reactor made from stainless steel 1.4301 with quartz tube and UV low pressure lamp ozone producing (25 W - 300 W)
- Switch box made from thermoplastic with 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 ³ /h] ¹
	D	E	F	G	K		
VAP TOC 006	547	460	600	¾"	180	25	0,6
VAP TOC 011	942	850	1.005	1"	163	36	1,1
VAP TOC 015	950	850	1.005	1¼"	205	36	1,5
VAP TOC 019	950	850	1.005	1¼"	205	60	1,9
VAP TOC 038	1.205	1.050	1.300	2"	205	170	3,8
VAP TOC 063	1.205	1.050	1.300	DN 65	350	170	6,3
VAP TOC 073	1.620	1.450	1.700	DN 65	350	300	7,3
VAP TOC 121	1.620	1.450	1.700	DN 80	400	300	12,1

Other sizes of UV systems and modification on request.

¹ Attention:

This flow is only valid at an UV transmission of 98% / 1 cm and an irradiation of 1.200 J/m². Alternating flows can be taken out of the actually technical date sheet.