

UV Disinfection Equipment Standard System „Serie VAP AW“

For Disinfection of water contaminated by bacteria:

- Disinfection of 0,8 – 7,5 m³/h per reactor (depending on UV transmission and irradiation H)
- Irradiation H according to application 250, 400 J/m²
- 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 AW:

- Waste water disinfection
- Plants for rain water and grey water
- Cooling water circuits and air conditions
- Agriculture and pisci culture

Features Of System VAP AW:

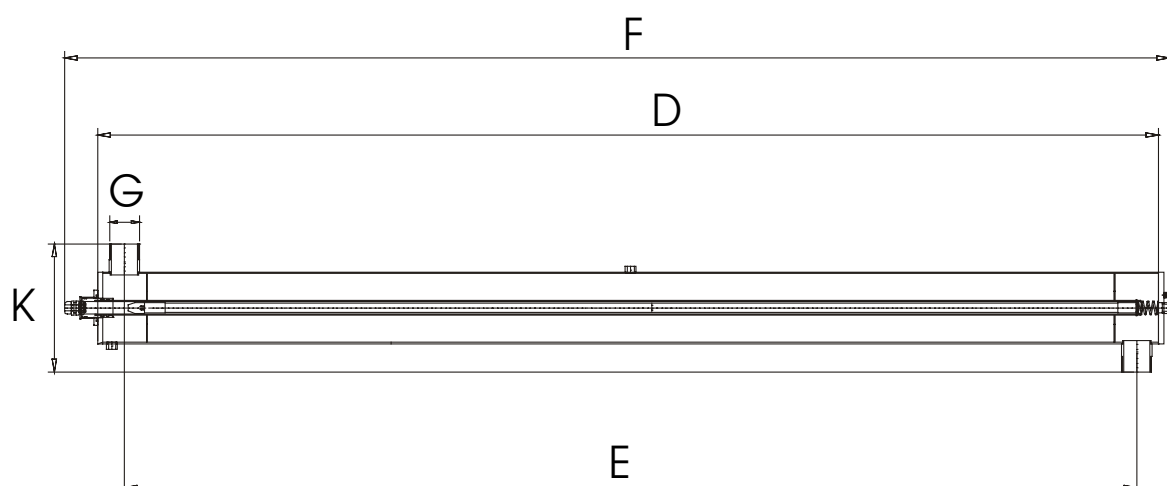
- Reactor material: stainless steel (outside electrolytically polished)
- Material: 1.4301, optionally 1.4571
- Standard flanges according DIN 2642, 2632; DIN 2999 (other flanges optionally)
- Air bleed valve and drain valve in bottom gasketed with Teflon
- UV System with well price performance ratio

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The UV Systems Consist Of:

- Reactor made from stainless steel 1.4301 with quartz tube and UV low pressure lamp (36 W; 60 W; 170 W; 300 W)
- Switch box made from thermoplastic with electronic ballast, operating display, operation hours counter and switch (230 V; 50/60 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	Tmin ² [%/1cm]
	D	E	F	G	K			
VAP AW 008	942	850	1.005	½"	115	36	0,8	60
VAP AW 014	942	850	1.005	½"	115	60	1,4	65
VAP AW 039	1.205	1.050	1.300	1¼"	140	170	3,9	60
VAP AW 075	1.620	1.450	1.700	1½"	145	300	7,5	52
VAP AW 092	1.620	1.450	1.700	2"	163	300	9,2	59

Other sizes of UV Systems incl. Multi lamp UV Systems (Serie UXP AW) with flows of 100 l/h – 78 m³/h and modification on request.

¹ Attention:

This flow is only valid at an UV transmission of 65 %/ 1 cm and an irradiation of 400 J/m². Alternating flows can be taken out of the actually technical data sheet.

² Minimum of UV transmission (The allowable flow decreases at lower UV transmission.)