

# UV Disinfection Equipment For Horticulture Standard System „Serie VAP SD“

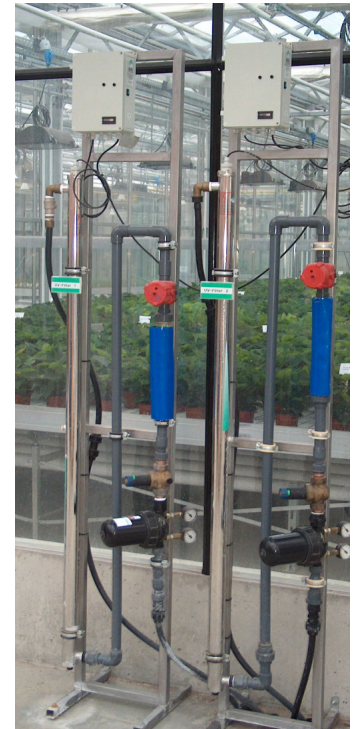
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## Thin Layer Systems:

- Disinfection depending on UV transmission and irradiation H
- Irradiation H according to application > 250 J/m<sup>2</sup>
- Power of UV lamps 36 W up to 300 W per reactor
- Simple handling and maintenance
- Modular installation possible
- Variable flange measurements and arrangement
- Installation horizontally and vertically possible

## Advantages:

- Up to 60 % fertilizer saving
- Up to 40 % water saving
- Reduction of risk of plant diseases
- Low operating costs (lamp life time: 8.000 h)



## Operational Area Of System VAP SD:

- Horticulture
  - Vegetable (cucumbers, tomatoes, chili etc.)
  - Floriculture (roses etc.)
- Agriculture

## Features Of System VAP SD:

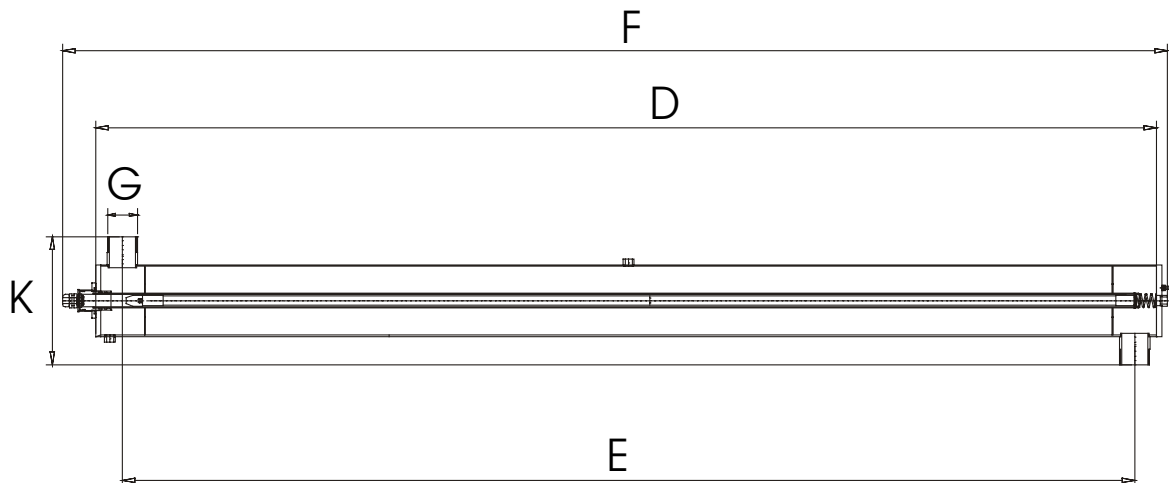
- Reactor material: stainless steel (outside electrolytically polished)
- Material: 1.4301
- Standard flanges according DIN 2642, 2632; DIN 2999 (other flanges optionally)
- Air bleed valve and drain valve in bottom gasketed with Teflon
- UV System with well price performance ratio

## UV Disinfection Equipment For Horticulture Standard System „Serie VAP SD“

### 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; 50/60 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]	T <sub>min</sub> [%/1cm]	V in [m <sup>3</sup> /h] bei T <sub>min</sub>
	D	E	F	G	K			
VAP SD 36	942	850	1.005	½"	98	36	23	0,2
VAP SD 60	942	850	1.005	½"	98	60	15	0,5
VAP SD 120	942	850	1.005	½"	98	120	11	0,3
VAP SD 170	1.205	1.050	1.300	1"	120	170	14	1,3
VAP SD 300	1.620	1.450	1.700	1"	120	300	9	2,0