

# UV Disinfection Equipment Standard System „Serie UXP P“

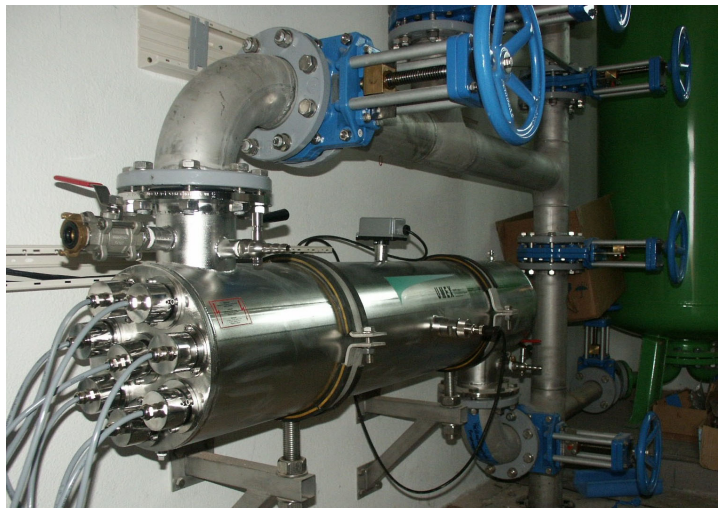
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## For Disinfection of water contaminated by bacteria:

- Disinfection up to 200 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 170 W or 300 W
- Simple handling and maintenance
- Modular installation possible
- Small required space
- Variable flange measurements and arrangement
- Installation horizontally and vertically possible

## Operational Area Of System UXP P:

- Disinfection of process water
- Cooling water circuits and air conditions
- Agriculture and pisci culture
- Swimming pools & whirlpools



## Features Of System UXP P:

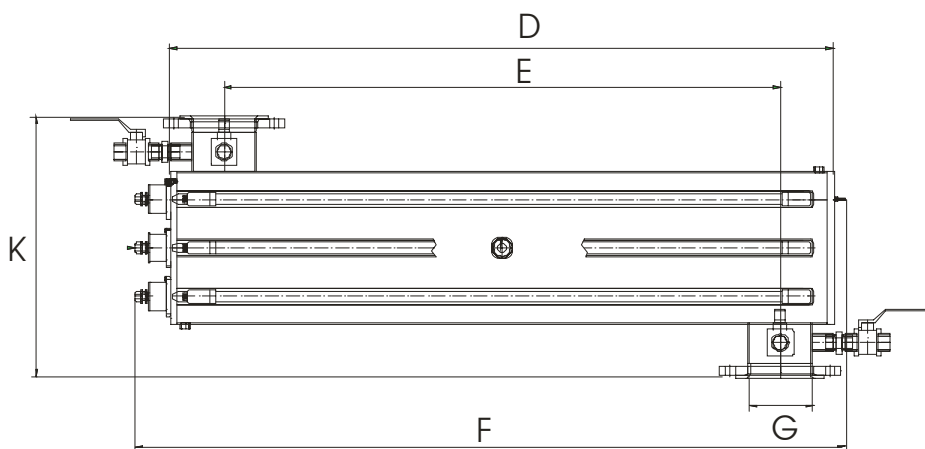
- Reactor material: stainless steel (outside electrolytically polished)
- Material: 1.4301, optionally 1.4571
- Standard flanges according DIN 2642, 2632; DIN 2999 (other flanges optionally)
- Air bleed valve and drain valve in bottom gasketed with Teflon
- UV System with well price performance ratio

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## The UV Systems Consist Of:

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

## Drawing Of Reactor:



## Technical Data:

Type	Measurements [mm]					P [W]	N Lamp	V [m <sup>3</sup> /h] <sub>1</sub>	Tmin <sup>2</sup> [%/1cm]
	D	E	F	G	K				
UXP P 059	1.250	1.000	1.400	DN 100	450	170	3	59,2	92
UXP P 075	1.250	1.000	1.400	DN 125	450	170	4	74,6	87
UXP P 116	1.625	1.450	1.700	DN 125	550	300	3	116,3	83
UXP P 147	1.625	1.450	1.700	DN 150	550	300	4	146,6	75
UXP P 181	1.625	1.450	1.700	DN 150	550	300	5	181,0	69

Other sizes of UV systems 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>. Other flows can be taken out of the actually technical data sheet.

<sup>2</sup> Minimum of UV transmission (The allowable flow sinks with decreasing UV transmission.)