

# UV Disinfection Equipment Standard System „Serie MIP P“

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## For Disinfection of water contaminated by bacteria:

- Disinfection of 50 – 1.400 l/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 16 W up to 25 W per reactor
- Simple handling and maintenance
- Modular installation possible
- Small required space
- Variable flange measurements and arrangement
- Installation horizontally and vertically possible



## Operational Area Of System MIP 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 MIP 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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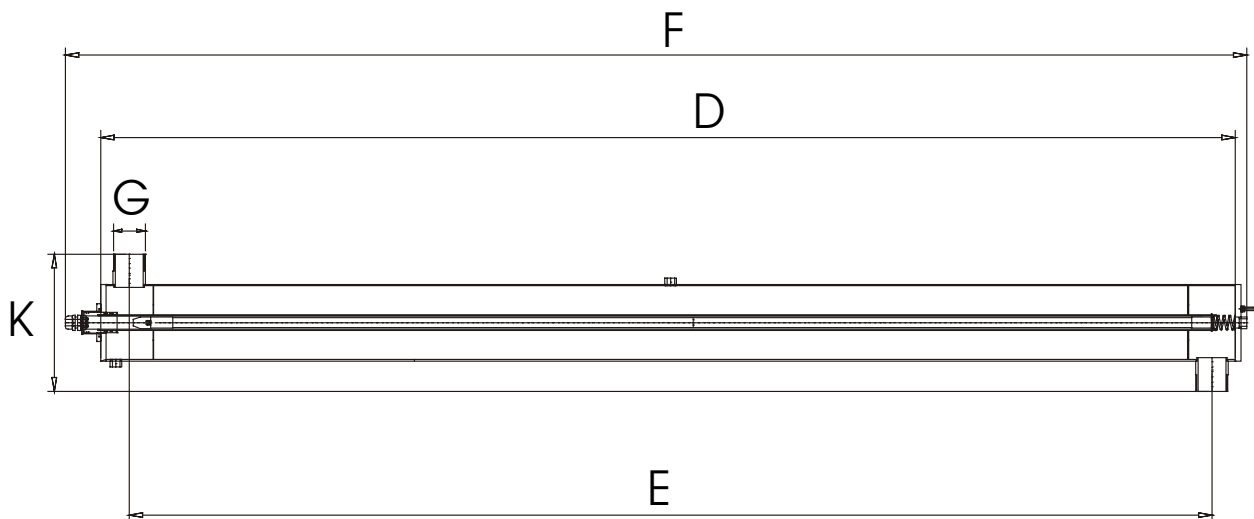
<sup>1</sup> Special applications with serie EL-LE

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## The UV Systems Consist Of:

- Reactor made from stainless steel 1.4301 with quartz tube and UV low pressure lamp (16 W; 25 W)
- Switch box made from thermoplastic with ballast, plug and switch (230 V; 50 Hz)
- Operation hours counter and UV monitoring unit optionally

## Drawing Of Reactor:



## Technical Data:

| Type      | Measurements [mm] |     |     |    |     | P[W] | V [l/h] <sup>2</sup> | Tmin <sup>3</sup> [%/1cm] |
|-----------|-------------------|-----|-----|----|-----|------|----------------------|---------------------------|
|           | D                 | E   | F   | G  | K   |      |                      |                           |
| MIP P 217 | 400               | 340 | 470 | ½" | 98  | 16   | 220                  | 51 %                      |
| MIP P 009 | 425               | 340 | 480 | ¾" | 163 | 16   | 900                  | 93 %                      |
| MIP P 014 | 547               | 460 | 600 | ¾" | 163 | 25   | 1.400                | 97 %                      |

Other system sizes and modification on request.

### <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 date sheet.

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