

# UV treatment modules

[clearfox.com](http://clearfox.com)

## Advantages for Clearfox® UV treatment modules

- Fast startup, cost saving in installation, small footprint, no chemicals
- Modular system, adaptable at every application
- High performance with high quality, Made in Germany, approval DVGW
- Flexible against underload and overload
- Industrial as well as municipal wastewater
- Stable and very robust process technology



ClearFox® UV treatment modules are characterized by an extraordinarily high disinfection performance with a compact design and low energy consumption. They are designed in accordance with applicable laws, standards and guidelines. They consist of a stainless steel pipe reactor where the pretreated wastewater passes an highly efficient UV lamp. The water flows by gravity or can be pumped. The reactor is included. Downstream after Clearfox DAF, FBR and SBR.

**The systems are connected in parallel to treat higher flow rates.**

Optional: with OTC operation time counter

Optional: with OPD operating power detection

## Application

The compact design allows easy and tool-free lamp removal and replacement, for example at the end of the lamp's service life. For cleaning purposes, the quartz immersion tube can also be dismantled or mounted without tools. The water to be treated flows through the housing and is directed along the quartz immersion tube in which the lamp is mounted. The low water film thickness of only 2 mm, i.e. the distance between the UV light exit at the quartz surface and the inside wall of the housing, guarantees optimum penetration of the water by the UV light.

## Technical Specifications

Hygienic module	UV500	UV2000	UV2500	UV3500	UV4000	UV5000	UV8000
Max. flowrate l/h - wastewater	300	2000	2500	3500	4000	5000	8000
Power in W	10	36	36	90	90	2x36	2x90
Measures (l/d in mm)	320x42	928x42	928x42	928x42	928x42	928x42 (2x)	928x42 (2x)
Connection thread	½ "	1 "	1 "	1 "	1 "	1 "	1 "
Voltage	12V / 24V / 110-230 V	24 V / 110- 230 V	24 V / 110- 230 V	110-230 V	110-230 V	110-230 V	110-230 V
Operation pressure in bar	10						
Type of lamp / lifetime	UV / > 8000 hours						
Transmission / intensity UV-dose	(254 nm, 1 cm) 70 %, / > 400 (J/m <sup>2</sup> )						
Water-temperature in °C	2-40						
Reactor material	stainless steel 1.4571						