



## UV Disinfection Systems E/ME Series

Main Applications:  
Drinking water, Process water,  
Ultrapure water, Ex-proof, Residual ozone  
destruction, Wastewater (special design)

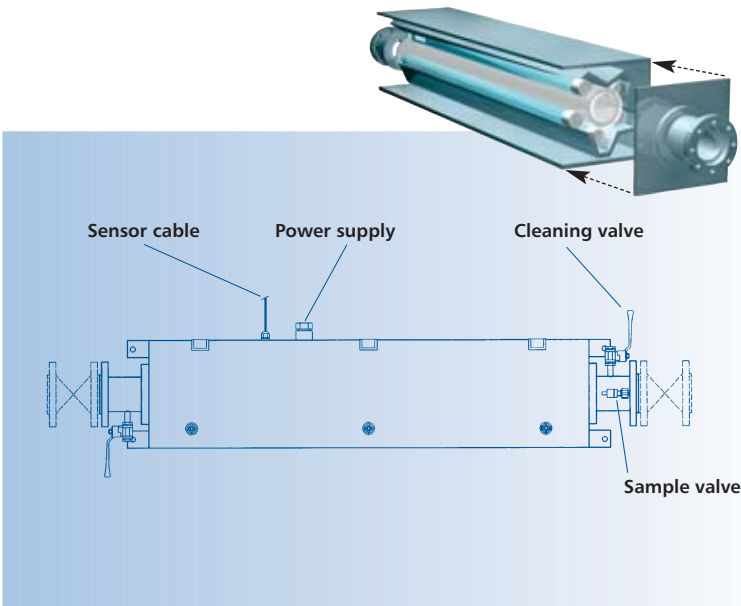
# UV Disinfection Systems E/ME Series

## Applications

- Drinking water
- Process water
- Ultrapure water
- Ex-proof
- Residual ozone destruction
- Wastewater (special design)

## Design

All system components (quartz reactor and electrical parts) of the E Series are integrated in a compact stainless steel housing. The ME Series models are provided with a separate electrical cabinet. The reactor consists of a quartz glass tube with UV lamps and reflectors externally positioned and parallel to the flow.



## ADVANTAGES

- Excellent and reliable disinfection capacity with low energy consumption
- High UV-C output of the lamps allows for a small number of lamps relative to the overall flow capacity
- Spektrotherm® high intensity / low pressure lamps have excellent temperature stability
- UV monitoring and control by highly selective, calibrated UV sensor
- Long lamp life expectancy
- Pure/Ultrapure water design meets FDA and USP requirements
- Sanitary clamps/Tri-Clamps acc. to DIN or ISO
- Very low headloss (inline installation)
- Quartz reactor (inert)
- Flexible to material specifications
- No wetted mounting parts (no dead legs)
- Easy installation (inline)
- Simple operation and easy maintenance

## Technical data

Type	max. flow rate * (m <sup>3</sup> /h)	Flange connection**	Power consumption (kW/VA)	Reactor dimensions B x H x T (mm)
E 2	3	G 1 1/4"	0.1 / 0.2	240 x 605 x 225
E 5	7	G 2"	0.15 / 0.33	240 x 1,120 x 245
E 10	11	G 2"	0.23 / 0.50	240 x 1,120 x 245
E 15	16	G 2"	0.27 / 0.58	240 x 1,120 x 245
ME 100	25	DN 65	0.42 / 0.49	250 x 1,255 x 245
ME 150	43	DN 80	0.56 / 0.66	250 x 1,255 x 245
ME 250	67	DN 100	0.70 / 0.82	380 x 1,255 x 415
ME 300	85	DN 80	1.12 / 1.32	250 x 2,215 x 320
ME 450	130	DN 100	1.40 / 1.65	380 x 2,215 x 415

\* UV dose = 300 J/m<sup>2</sup> at the end of lamp lifetime; estimated UV transmittance = 98 % per 1 cm.

\*\*Tri-clamps, sanitary clamps acc. to ISO, DIN or factory specifications available.

All specifications are subject to change without notice.



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