



UV Disinfection Systems B Series

Main Applications:
Drinking water, process water,
warm water

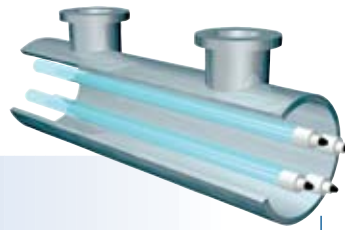
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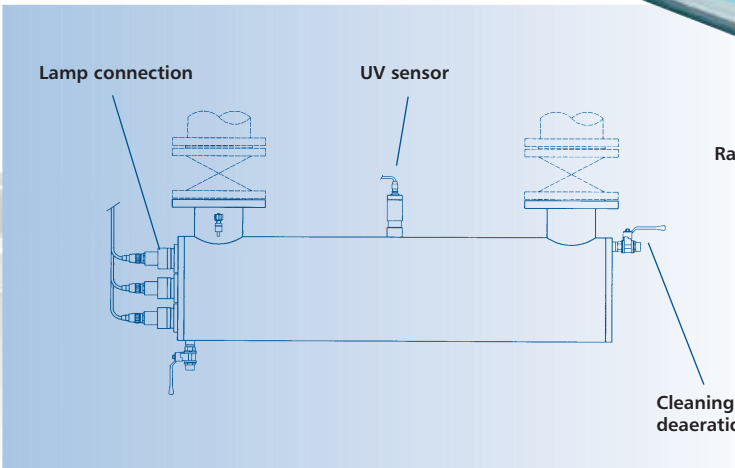
- Drinking water
- Process water
- Warm water

Design

In the B series Spektrotherm low pressure / high intensity UV lamps are arranged parallel to the water flow inside the reaction chamber. A special baffle plate design creates turbulence which allows the system to achieve high disinfection levels. These UV systems can either be mounted horizontally or vertically into existing pipe lines and are equipped with a separate electrical cabinet.



Radiation geometry



ADVANTAGES

- Biodosimetrically tested (certified acc. to ÖNORM M5873)
- 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 a highly selective, calibrated UV sensor
- Long lamp life expectancy
- Optional automatic quartz sleeve wiping system available
- Simple operation and easy maintenance

Technical Data

Type	Cert. flow rate * (m ³ /h)	Flange connection	Power consumption (kW/kVA)	Reactor dimensions B x H x T (mm)
B 40	31.5	DN 150	0.42/0.49	975 x 420 x 250
B 60	45.1	DN 150	0.57/0.67	1,295 x 420 x 250
B 80	66.8	DN 150	0.76/0.89	1,295 x 430 x 270
B 120	101.2	DN 200	0.95/1.12	1,295 x 460 x 310
B 160	159.4	DN 200	1.33/1.56	1,295 x 500 x 330
B 220	222.4	DN 250	1.71/2.01	1,295 x 530 x 390

* UV dose = 300 J/m² at the end of lamp lifetime; estimated UV transmittance = 98 % per 1 cm. All specifications are subject to change without notice.