

LIT DUV SYSTEMS

LIT Technology is one of the world's major suppliers of UV-disinfection systems. It has been building UV water disinfection equipment since 1991 and has gained unparalleled expertise in this field. The quality, reliability and efficiency of our installations have created thousands of references worldwide.

APPLICATIONS

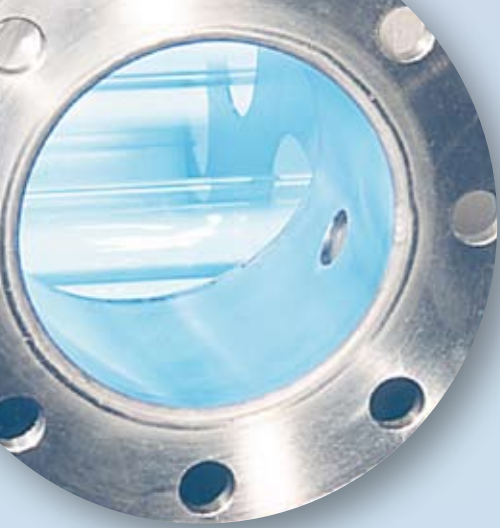
- Domestic and municipal water supplies
- Food & Beverage processing industries
- Hospitals
- Hotels & restaurants
- Pharmaceutical industries
- Electronic industries
- Aquaculture and fish farming
- Spa's, saunas & swimming pools
- Snow cannons
- Off-shore platforms



UV LIT EUROPE



LIT DUV-systems



UV DISINFECTION

Ultraviolet is accepted all over the world as a reliable, cost-effective and above all environmentally friendly water disinfection solution. Bacteria, viruses and cysts in water, air and on surfaces are effectively inactivated by UV-C radiation. An important advantage of UV-C radiation is its ability to eliminate viruses permanently; this cannot be done by conventional chlorination processes.



CERTIFICATION

Our system designs comply with all international standards and regulations on drinking water disinfection such as ÖVGW, DVGW, EPA and NSF.

UV LAMPS

All LIT UV DUV devices are equipped with modern industrial manufactured Low Pressure mercury germicidal lamps. These lamps combine high UV output with superior energy efficiencies. A unique internal coating limits the depreciation of UV output to a minimum. An effective disinfection performance is guaranteed during the entire operation period.

SERVICE

Special attention is paid to keep the installation and maintenance of LIT UV equipment simple and easy. Maintenance is kept minimal by using first-class technology and engineering. LIT Europe B.V. can provide professional support during installation and start-up phases, including dedicated operator training courses. For UV disinfection consultations or technical support including spare part supplies you may contact LIT Europe B.V. directly or involve your local LIT UV representative.

FEATURES AND BENEFITS

- **Chemical-free:** safe and environmentally friendly; no harmful by-products
- **LIT closed reactor technology:** reduced design and construction costs, simple operation and maintenance
- **Sophisticated design concepts:** reliable in-activation of bacteria, viruses and parasites. Flexible, tailored to customer specifications
- **Accurate LIT UV sensors:** exact dose monitoring
- **Bioassay validation:** no theoretical calculations but physical verification of system performance, according to international standards and regulations
- **Chemical cleaning options:** eliminate organic and inorganic fouling of quartz tubes for a consistent disinfection performance. Operator-friendly!

DUV-series TECHNICAL SPECIFICATIONS

Type	# lamps	Flow rate (m ³ /hr) T=98%, 40 mJ/cm ² *	Power consumption (Watts)	Flange
DUV 1-15	1	0,5	16	DN 20
DUV 1-15-S	1	0,5	16	DN 20
DUV 1-30	1	1,5	32	DN 20
DUV 1-30-S	1	1,5	32	DN 20
DUV 1-55	1	2,5	60	DN 20
DUV 1-75	1	3,5	80	DN 50
DUV 2-75	2	10	160	DN 50
DUV 4-75	4	35	320	DN 100
DUV 5-75	5	41	400	DN 100
DUV 7-75	7	75	560	DN 100

* at end of lamp life



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