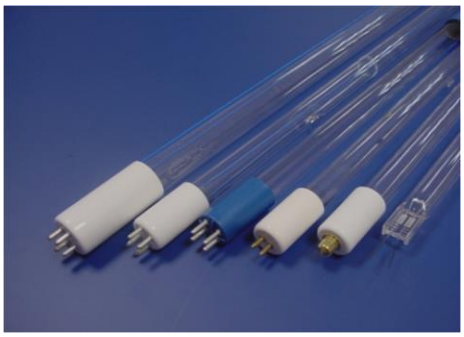
UVI – Amalgam lamps linear

UVI is the exclusive name of our standard Amalgam lamps. Compared with conventional low-pressure lamps, UVI lamps provide more than double the power – at the same UVC efficiency! UVI lamps emit radiation mainly at the wavelengths 254 nm and 185 nm. Using different quartz glass types, we can block or pass the 185 nm optionally.
UVI amalgam lamps are suitable for all applications in air or water. They are the right choice for compact and powerful UV systems providing high efficiency. Long life coating is available on request.

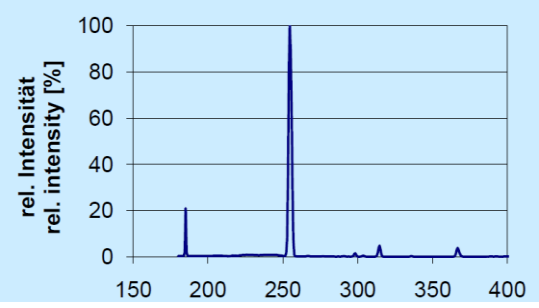


	geometry		electrical data*				UVC@254nm (100h)	
type	arc length BL mm	total length GL mm	lamp power W	lamp current A	lamp voltage V	recommended electronic ballast	W	@ 1m µW/cm²
15 mm tube diameter								
UVI 40	224	300	36	1,2	30	EVG UVT 40-150W	9	90
UVI 60	359	435	60	1,5	40	EVG UVT 40-150W	15	150
UVI 70	419	505	75	1,5	50	EVG UVT 40-150W	20	200
UVI 80	474	550	78	1,5	52	EVG UVT 40-150W	22	215
UVI 120	784	860	120	1,5	80	EVG UVT 40-150W	36	330
UVI 160	1124	1200	165	1,5	110	EVG UVT 80-200W	50	430
UVI 201	1477	1554	210	1,5	140	EVG UVT 80-200W	72	550
19 mm tube diameter								
UVI 130	738	840	130	2,0	65	EVG UVT 80-200W	41	380
UVI 160	898	1000	150	2,0	75	EVG UVT 80-200W	50	445
UVI 200	1018	1120	170	2,0	85	EVG UVT 80-200W	56	485
UVI 240	1208	1310	190	2,0	95	EVG UVT 200-400W	65	530
UVI 260	1451	1554	230	2,0	115	EVG UVT 200-400W	78	600
UVI 300	1898	2000	300	2,0	150	EVG UVT 200-400W	105	700
25 mm tube diameter								
UVI 200	1098	1200	220	2,9	76	EVG UVT 200-400W	75	650
UVI 300	1398	1500	270	2,9	93	EVG UVT 200-400W	92	710

(*) lamp voltage measured at recommended electronic ballast

rated life /depreciation maximal 3 switches per day	**without Coating: 6.000 h at conventional ballast, 8.000 h at electronic ballast/ 35%** **with Coating: 12-16.000 h at electronic ballast/ 20-25%**
working temperature	**approx. 90-120°C** (measured at glass surface) **with optimal submersion tube suitable for water temperatures of 5-50°C**

Spectrum



Standard bases