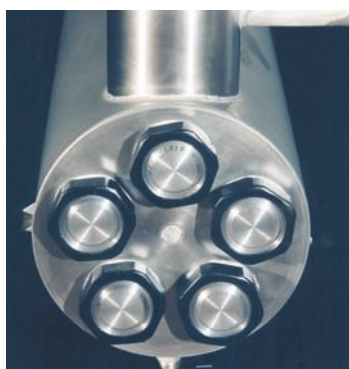
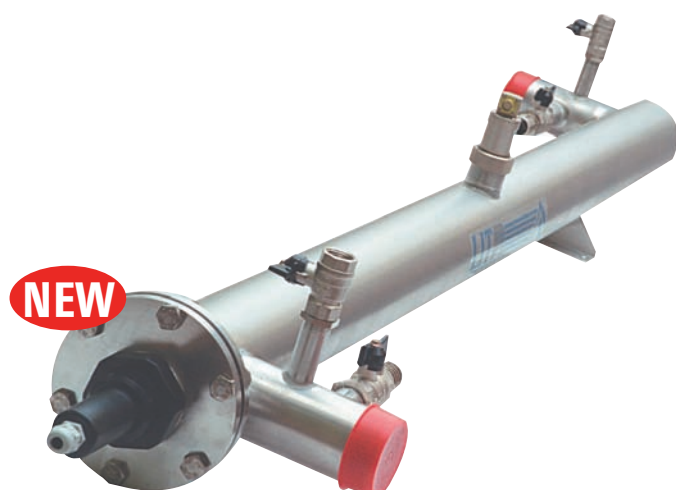


# COMMERCIAL UV SYSTEMS



## Commercial UV Systems

Ultraviolet is accepted all over the world as a reliable, cost-effective and above all environmentally friendly water disinfection solution.

UV-C radiation destroys the genetic structure of micro-organisms and inhibits their ability to multiply, rendering them harmless.

Bacteria and viruses in water, air and on surfaces are effectively inactivated. An important advantage of UV-C radiation is its ability to eliminate viruses permanently; this cannot be done by conventional chlorination processes.

- Systems capable of flow from 13m<sup>3</sup> up to 850m<sup>3</sup> per hour
- Mercury germicidal lamps
- 12,000 hours guaranteed lamp life
- Control / cleaning systems available
- Suitable for temperatures up to 40°C
- Reduces chlorine dosage by up to 80%
- Simple, safe and environmentally friendly
- Units can be tailored to customer specifications
- Lower power consumption
- Flange connections

**These units are built to order. For more information, or a quotation please contact us.**

	DUV 1-75	DUV 2-75	DUV 4-75	DUV 5-75	DUV 7-75	DUV 1A	DUV 2A	DUV 4A	DUV 5A	DUV 7A	DUV 12A	DUV 18A	DUV 36A
<b>Nominal application parameters</b>													
Nominal flow rates (M <sup>3</sup> /hr)	3.3	10.8	35.2	41.3	78.2	13.3	21	120	131	157.5	378	525	998
Headloss @ nominal flow rate (cm)	2	28	12	53	53	30	148	68	82	87	65	53	59
<b>Hydraulic Characteristics</b>													
Maximum flow (M <sup>3</sup> /hr)	15.75	19	89.25	89.25	89.25	16.8	21	120	132	157.5	378	525	998
Headloss @ max flow (cm)	45	86	80	69	69	47	148	68	83	87	65	53	59
Max allowable pressure (Bar)	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>Electrical Requirements</b>													
Voltage (V)	230	230	230	230	230	230	230	230	230	230	230	230	230
Frequency (Hz)	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60
Power factor / Cos	> 0.96	> 0.96	> 0.96	> 0.96	> 0.96	> 0.96	> 0.96	> 0.96	> 0.96	> 0.96	> 0.96	> 0.96	> 0.96
Installed power (kW)	0.09	0.20	0.34	0.45	0.60	0.28	0.56	1.12	1.4	2	3.5	5	10
<b>Lamps</b>													
Number of lamps	1	2	4	5	7	1	2	4	5	7	12	18	36
Lamp Type	DB75	DB75	DB75	DB75	DB75	DB300	DB300	DB300	DB300	DB300	DB300	DB300	DB300
Electrical power / lamp (W)	75	75	75	75	75	250	250	250	250	250	250	250	250
UVC / lamp (W) end of lamp life	24	24	24	24	24	100	100	100	100	100	100	100	100
Guaranteed lamp life	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000
<b>Water Chamber Characteristics</b>													
Length (mm)	220	312	395	430	510	1800	1800	1860	1860	1860	2304	2304	2250
Width (mm)	720	955	480	464	544	300	300	600	505	550	627	680	910
Height (mm)	1380	1310	1500	1400	1400	680	960	1300	1300	1380	1408	1576	1100
Empty weight (kg)	16	26	60	61	88	37	45	90	92	120	270	300	420
Chamber volume (litres)	5.5	23	40	39	72	75	15	57	64	112	220	263	465
Inlet & outlet flanges (DIN in mm)	50	50	100	100	100	50	50	50	50	50	250	300	400