Smart controls continuous monitoring and DOSE display.

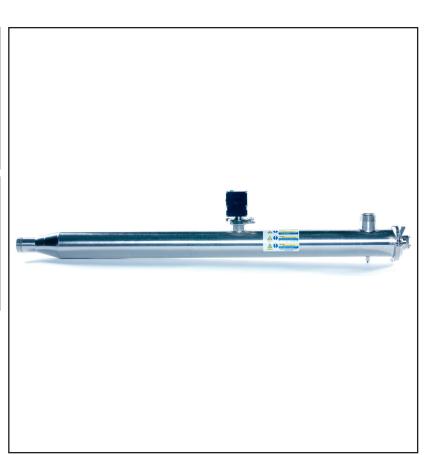


Highly efficient, long life UV lamps.



Maintenance programs to ensure optimized system performance.





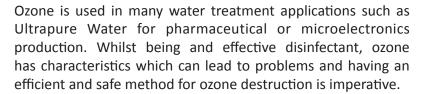
ENVIRONMENTALLY FRIENDLY DISINFECTION

Pressure High Output Amalgam lamps.

Our most rigorously developed and tested

Aquionics' new PharmaLine DO range of highly efficient and low energy UV systems for ozone destruction in Pharmaceutical process water.

products ever created for Pharma. Deozonation has evolved, and we can prove it!



The PharmaLine range allows for easy maintenance, requiring

little disruption to the plant. Maintenance is simple and can be

carried out by on-site personnel. Systems are available in Low



Food & Beverage





Pharmaceuticals



Electronics



Cosmetics & Toiletries



Medical & Aquaculture Ophthalmic



UV Chamber	
Material:	St 316L/1.4404
Internal finish:	<0.38µm Ra max welds left as laid electropolished and passivated
External finish:	Sateen polish (120 grit) electropolished and passivated
Process (mating) connections:	Tri-clamp to BS 4825
Drain connection:	Tri-clamp to BS 4825
End plate:	Removable tri-clamp
Degree of protection:	IP65 equivalent to NEMA4 but not suitable for outside use
Arc tube (lamp):	Low pressure amalgam/high purity quartz
Arc tube enclosure:	High purity quartz
Number of lamps:	1
Expected lamp life:	12000-16000 hours
Temperature sensor	On DO 0020 only
UV monitor	Wet UV monitor
Working fluid temperature:	+41°F to +104°F
Hydrostatically pressure tested:	Yes to PED requirements EN13445
Maximum CIP temperature:	203°Fwith lamp off
Operating/Design pressure:	6 bar / 7 bar
Pressure loss:	Typically < 5 mbar
Seals:	EPDM FDA approved

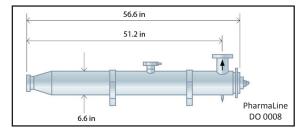
Material:	Polyester coated carbon steel
Degree of protection:	IP65/NEMA 4 except DO 0020 which is IP55 / NEMA 12
Supply voltages:	230V (207V to 253V) or 115V (104V to 126V except DO 0020) 50/60Hz
Operating temperature range:	+41°F to +104°F
Relative humidity:	<90%
Cooling fans:	On DO 0020 only
Cable length:	5m
External contacts:	4-20mA signal for UV Intensity %, Volt Free Contacts for Lamp ON, Low UV warning

Features	
Lamp on/off	• UV intensity %
Remote start/stop	Warning and trip messages
Horizontal or vertical mounting (DO 0020 horizontal only)	Total hours run
Remote mode	• Lamp fail
Door interlocked cabinet isolator	• Low UV % intensity



	Model	Flow Rate (gpm)	Flange (in)	Number of Lamps	Max Power (W)
٦	PharmaLine DO 0001	5	1.5	1	80
onation	PharmaLine DO 0002	10	2	1	140
lo:	PharmaLine DO 0004	20	2	1	270
eOz	PharmaLine DO 0008	37	3	1	270
۵	PharmaLine DO 0020	86	3	1	500

The maximum deozonation capacity is based on a 90% reduction of ozone at $T_{10} > 98\%$



Validation Support Pack	 Uvtronic control 230V (207 to 263V) CE and UL approved with pre calibrated DVGW compliant di UV monitor
• Stainless Steel cabinet (304)	CIP maximum 266°F with cabinet electrically isolated

A HALMA COMPANY

Celebrating 85 Years of Pure Performance from the UV Technology Pioneers











