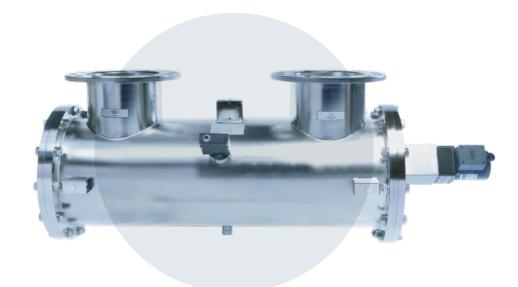
We UVCare...



Application Optimised UV for Food & Beverage

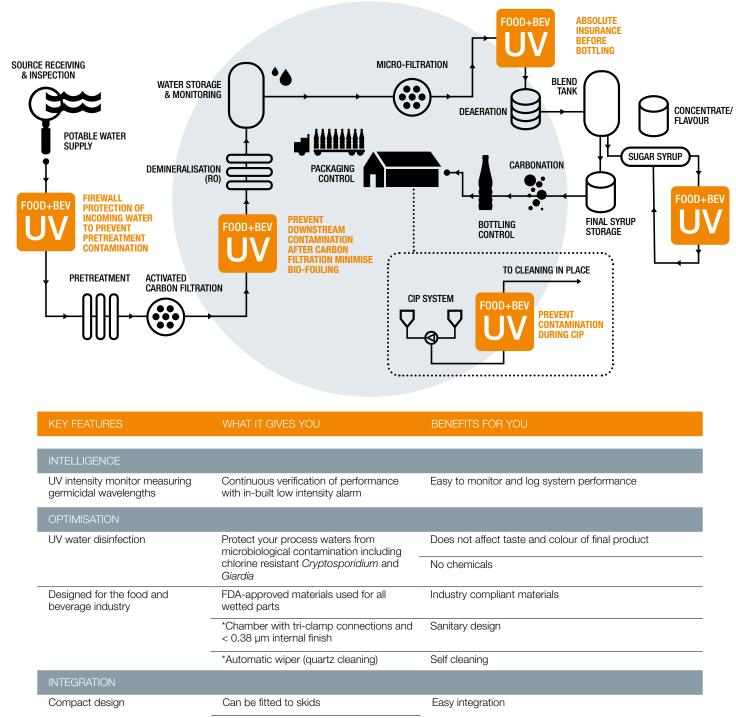


UV treatment for food and beverage

Our PureLine D PH systems are aimed specifically at providing UV disinfection for product and process waters used in the food and beverage industry. By using a UV system you will disinfect the water, eliminate harmful micro-organisms, reduce the bio-burden, protect against bio-fouling, lead to fewer CIP/SIP cycles and lower operating costs. Each system comes with a UV monitor to measure the germicidal output of the UV system and make it easy to monitor and log performance.

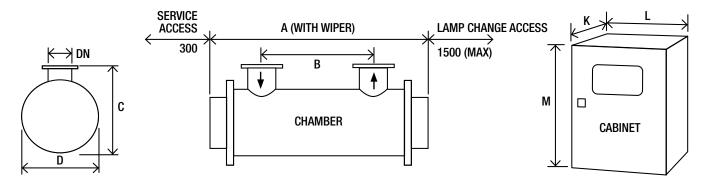


Potential locations of the PureLine D PH™



Can be retrofitted to existing process

* Option



			Dimensi	ons (mm)							Approx weight (F	(g)
Model Number	Maximum Power (kW)	Min T ₁₀ (%)	А	В	С	D	DN	K*	L	M**	Chamber (Empty)	Control Cabinet
PureLine D PH 0070	1.6	64	850	300	267	184	50	330	750	850	45	85
PureLine D PH 0080	2.7	91	1300	710	319	240	80	330	750	850	50	85
PureLine D PH 0083	2.7	91	1300	710	319	240	100	330	750	850	50	85
PureLine D PH 0100	4.4	81	1300	710	319	240	100	330	750	850	50	85
PureLine D PH 0209	4.4	90	1300	660	420	290	150	330	750	850	65	85
PureLine D PH 0240	5.8	84	1300	660	420	290	150	330	900	1100	65	85
PureLine D PH 0300	5.8	93	1300	610	505	410	200	330	900	1100	140	165
PureLine D PH 0350	10	70	1300	660	420	290	150	330	1100	1600	65	282
PureLine D PH 0400	16.5	62	1300	660	420	290	150	330	1100	1600	65	282
PureLine D PH 0550	16.5	62	1300	610	505	410	200	330	1100	1600	140	282
PureLine D PH 0900***	25.2	62	1300	550	505	410	250	330	900	1100	140	165
							-	330	1100	1600		282
PureLine D PH 0950***	33	62	1300	610	505	410	200	330	1100	1600	140	282
							-	330	1100	1600	·	282

* Allow dimension L in front of cabinet for door opening and panel access.

 ** M dimension includes the space for the cabinet mounting brackets but you need to allow space below the cabinet for cable entry and access (minimum of 250 mm).
*** System consists of two cabinets; separate dimensions K, L, M and weights are given for each cabinet.
All dimensions are approximate for clearance purposes only. We have a policy of continuous product development, exact drawings are available on request.
All specifications are subject to change without notification. Your distributor or our account manager can advise on correct sizing and specification requirements. **

UV CHAMBER				
Material:	Stainless steel 316L / 1.4404			
Internal finish:	As made pipe and tube, welds as laid, electropolished and passivated			
External finish:	Sateen polish (120 grit) electropolished and passivated			
Process (mating) connections:	Flange EN 1092-1 PN16			
Drain connection:	Tri-clamp			
End plate:	Removable end plate			
Degree of protection:	IP65 equivalent to NEMA 4 but not for outside use			
Arc tube (lamp):	Medium pressure			
Arc tube enclosure:	Pure quartz (F200)			
Number of arc tubes (lamps):	1 (D PH 0070-0300), 4 (D PH 0350- 0550), 6 (D PH 0900), 8 (D PH 0950)			
Expected lamp life:	8000 hrs, 4000 hrs D PH 0240 and 0300			
Temperature sensor:	Yes			
UV monitor:	Wet UV monitor (if above minimum $T_{_{10}}$)			
Working fluid temperature:	1°C to 60°C (80°C unwiped)			
Maximum CIP temperature:	95°C with cabinet electrically isolated			
Hydrostatically pressure tested:	Yes to PED requirements EN 13445			
Chamber mounting:	Horizontal only			
Operating pressure:	6 bar (positive pressure only)			
Seals:	EPDM, ADI free, EC 1935/2004, FDA 21 CFR 177.2600 approved			

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Document Support Pack			
Cabinet material: Stainless steel 316			
Operation and Maintenance manual and printed Installation and Commissioning manual in Chinese, English, French, German and Spanish			
Wiper: Automatic (electrically driven) except D 0070			
Flange options: ANSI 150, JIS, Table 'E' and tri-clamp			
Chamber internal finish: <0.38 μm welds polished out, electropolished and passivated			
Lead length: 20 m, 30 m or 50 m cabinet to chamber			
Maximum CIP temperature: 130°C (panel electrically isolated)			
Welder Document Pack for chamber construction			
Bleed valve: Hygienic valve with tri-clamp connection			
S-shaped chamber			

Skid mounting (not ship board or earthquake zone)

OPTIONS (CONTINUED)				
Operating pressure: 10 bar				
Power adjustment: 4 level power switching				
Air vent connection: Tri-clamp				
Stainless steel cabinet IP upgrade: air to air heat exchangers stainless steel version IP 56, NEMA 4X, relative humidity <95% non condensing. If fitted no UL listing. See sales drawings for sizes.				
Aggressive water package: For 400 ppm to 20000 ppm chloride water				
UVShield™: Power cut-out for lamp access for D PH 0070 - 0300				
Water leak detection: Detects water leaks from quartz sleeve for D PH 0070 - 0300				
Arc tube enclosure: Doped quartz F240 (reduces performance)				
CABINET (CONTROLLER PHOTON)				
Material:	Polyester coated carbon steel			
Degree of protection:	IP54 NEMA 12			
Supply voltages:	D PH 0070-0083 95 V to 260 V (+/- 10%) D PH 0100-0300 190 V to 480 V (+/- 10%) D PH 0350-0950 380 V to 480 V (+/- 10%) 50/60 Hz			
Operating temperature range:	5°C to 40°C			
Relative humidity:	<85% non-condensing			
Cooling fans:	Yes			
Interconnecting cable:	10 m cabinet to chamber			
CUSTOMER OUTPUTS				
4-20 mA passive or active output:	UV intensity %, or UV dose (if power stepping option)			
VFC outputs:	System warning, lamp ready, low UV, common trip, remote reset, ELCB or water leak, system available, local or remote mode			
CUSTOMER INPUTS				
4-20 mA passive or active output:	Flow meter			
VFC inputs: Remote stop/start and remote reset				
CUSTOMER COMMUNICATIONS PORT				
None				

CE marked, UL listed E149108



Also available in our Food & Beverage product range...



PURELINE DC+DCD

Dechlorination and Chlorine Dioxide removal



PURELINE DO

Ozone removal and disinfection



PURELINE S

Sugar syrup disinfection



3rd party bioassayed systems for critical disinfection or as a pathogen barrier



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