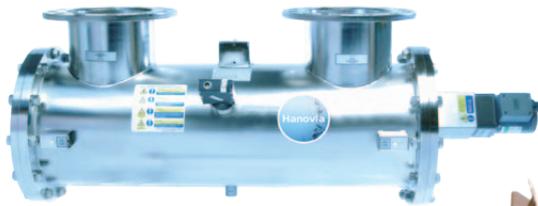


Hanovia

PureLine DC

Chlorine reduction of process waters



Technical Specification

UV Chamber

Material:	StSt 316L / 1.4404
Internal finish:	As made pipe and tube, welds left as laid electropolished and passivated
External finish:	Sateen polish (120 grit) electropolished and passivated
Process (mating) connections:	Flange DN series PN16 rated
Drain connection:	BSPT
End plate:	Removable bolted plates
Degree of protection:	IP65 equivalent to NEMA 4 but not suitable for outside use
Arc tube (lamp):	Medium pressure / high purity quartz
Arc tube enclosure:	High purity quartz
Number of arc tubes (lamps):	1 to 16 depending on model
Expected lamp life:	4000-8000 hours
Temperature sensor:	Yes
UV monitor:	Wet UV monitor (down to minimum T10)
Working fluid temperature:	+5°C to +60°C
Maximum CIP temperature:	95°C with control cabinet electrically isolated
Hydrostatically pressure tested:	Yes to PED requirements EN13445
Operating / Design pressure:	6 bar / 7 bar
Pressure Loss:	Typically < 120 mbar
Seals:	EPDM FDA approved

Cabinet

Material:	Polyester coated carbon steel
Degree of protection:	IP54 / NEMA 12
Supply voltages:	Up to 2.5kW 95V to 260V (nominal) 50/60Hz 3.5 to 7.0kW 190V to 500V (nominal) 50/60Hz >7.0kW 300V to 500V (nominal) 50/60Hz
Operating temperature range:	+5°C to +40°C
Relative humidity:	<90%
Cooling fans:	Yes
Interconnecting cable lengths:	10m
External interface:	4-20mA signal for UV intensity, Volt Free Contacts for Local/Remote, System Available, Lamp Ready, System Warning, Common Alarm, Low UV Intensity, ELCB Trip

PureLine DC

Chlorine reduction of process waters

Product Specific Data

Features

Operational Features:

- Lamp on/off
- Remote start / stop
- Selectable auto restart following power failure
- Automatic wiper system electrical operation
- Event log

Screen Display Features:

- 2 line x 20 character VFD with indication of System Status
- Remote mode
- UV intensity in mW/cm² or relative intensity (%)
- Warning and trip messages
- Total hours run
- Spares listing
- English language

Alarm Message Features:

- Lamp fail
- Low UV intensity
- ELCB trip
- Wiper trip
- Power failure
- Chamber over temperature
- Power supply over temperature warning and trip

Safety Features:

- Door interlocked cabinet isolator
- Separate door locks
- Power supply thermal cut out
- Resettable circuit breaker
- Earth leakage trip
- Wiper motor overload cut out

Options

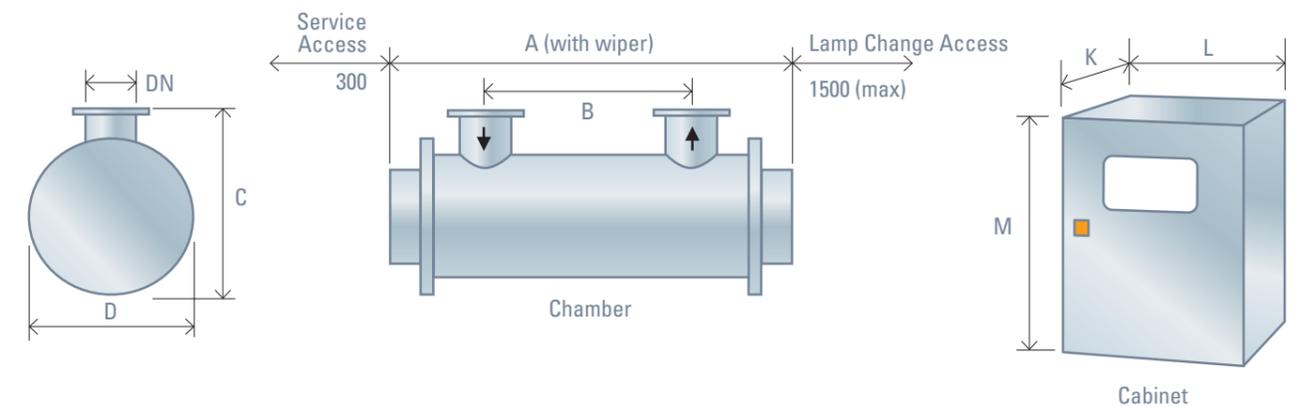
- Validation Support Pack
- Stainless Steel cabinet (316)
- Printed operating, menu and safety guides in Chinese, French and German
- Chamber internal finish 0.38µm welds ground out electropolished and passivated
- Automatic bleed valve
- ANSI 150 flanges and NPT drain and bleed stub
- Lead length 30m or 50m
- CIP maximum 130°C with control cabinet electrically isolated

Approvals

- CE following the low voltage and EMC directives conforming to EN50081-1, EN61000-4-2, 4-3, 4-5, 4-6, 4-8, and 4-11
- UL Listed E149108.

Dimensions (mm)

Chamber and cabinet:



Flow m ³ /hr	System for 90% reduction of chlorine	System for 99% reduction of chlorine
1	PureLine DC 0001	PureLine DC 0002
2	PureLine DC 0002	PureLine DC 0004
4	PureLine DC 0004	PureLine DC 0010
6	PureLine DC 0006	
8	PureLine DC 0010	
10	PureLine DC 0010	

Model	Maximum Dechlorination Capacity * (m ³ /hr)	Min. T ₁₀ (%)	Dimensions (mm)								Approx Weight (kg)		
			A	B	C	D	DN	K**	L**	M**	Chamber (Empty)	Power Supply	Power (kW)
PureLine DC 0001	1	85	850	300	319	240	50	370	750	850	45	85	1.2
PureLine DC 0002	2	81	1300	710	319	240	50	370	750	850	50	85	3.5
PureLine DC 0004	4	90	1300	710	420	290	50	370	750	850	65	85	3.5
PureLine DC 0006	6	84	1300	710	420	290	50	370	900	1100	65	165	5.5
PureLine DC 0010	10	93	1300	710	505	410	50	370	900	1100	140	165	5.5

* The maximum dechlorination capacity is based on a 90% reduction of chlorine at T₁₀ 95%

**Cabinet dimensions allow for door isolator, fan covers, bracket space and space for two cabinets to mount side by side on the DC 0030 and DC 0050 dimensions do not allow for cable entry which is from the side

A HALMA COMPANY



Additional Information

All dimensions are approximate for clearance purposes only. Hanovia has a policy of continuous product development, exact drawings are available on request. All specifications are subject to change without notification. Your Distributor or Hanovia Account Manager can advise on correct dosage and specific requirements.



Eight decades of continuous development has put Hanovia at the forefront of UV science and technology.

Working with the biggest names in food, beverage, electronics, pharmaceutical, aquaculture, pools and leisure, and many other industries, we have gained valuable insights into our customers' requirements and this enables us to offer you not only the finest UV systems, but a full UV solution for your industrial or leisure water treatment problems – all backed by first class technical and service support, available wherever you are around the World.



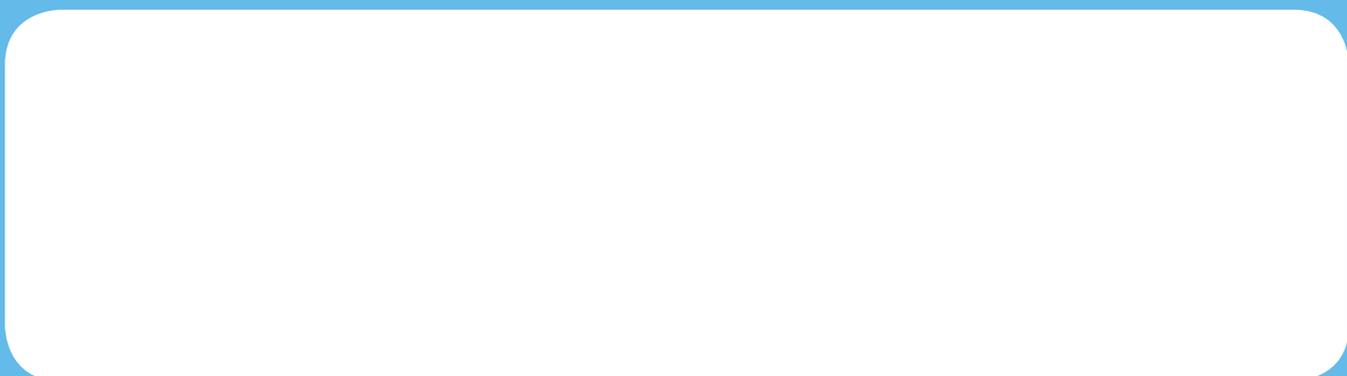
BREWING



FOOD+DAIRY



BOTTLED WATER+SOFT DRINKS



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