

Specifications

UV chamber	
Number of lamps	1
Lamp type	WTL 2000 / 2001
Chamber material*	1.4404 / AISI 316L
Flange connection	DN 200 acc. DIN EN 1092-1 PN10, PN16 optional 8" ANSI 16.5 class 150 type RF optional
Enclosure rating	IP 54
Operating pressure, static	3 bar* ² , 10 bar, 16 bar, 150 PSI optional
Water temperature	max. 45 °C / 113 °F
Wetted parts	1.4462 / AISI 318 LN
Dry weight	64 kg / 149 lbs
Wet weight	86 kg / 199 lbs
UV sensors in standard model	1
Certified UV sensors in DVGW model	1
Internal polishing chamber	0.8 µm / 32 µIN
Drain and air socket	G ½" with adaptor to NPT ½"
Chemical cleaning sockets	G ½" with adaptor to NPT ½"
Temperature detection, inside	yes, via PT100 sensor
Temperature detection, outside	temp. switch
Water flow in operation	min. 0.20 m ³ /h / 0.88 GPM
Lamp power control	yes
Mechanical cleaning system	
Automatic	standard
DVGW model	automatic cleaning mechanism is mandatory
Chemical cleaning system	optional
Control panel	
Cabinet Material	painted sheet steel, stainless steel optional
Door interlock switch	yes
Digital hours counter	yes
Enclosure rating	IP 43
Weight	100 kg / 220 lbs
Cabinet temperature detection	yes
Maximum ambient temperature	40 °C / 104 °F
Forced cabinet cooling	yes
Maximum humidity	95 % non-condensing
Ambient air	free of corrosive gases, fumes, dripping liquids, explosive mixtures and gases, salty air and excessive dust
Electrical supply	1/N/PE AC 208 – 277 V, 50-60 Hz (IEC) 2/PE AC 208 – 277 V, 50-60 Hz, 1phase 2wire (USA)
Max. active power	2190 W
Max. apparent power	2230 VA
Full Load Ampere FLA	11 A (208 V) or 9 A (240 V)
Minimum Circuit Ampacity MCA	13 A (208 V) or 12 A (240 V)
Maximum Fuse Size MFS	15 A
UV intensity, 4-20 mA signal, galvanically isolated	yes
Cable length to chamber	5 m (10 m, 20 m optional) / 16 ft (33 ft, 66 ft optional)
Mounting location	wall mounted

* For salt and seawater applications (salt > 800 mg/l up to max. 20 g/l chambers made of stainless steel (1.4462/AISI 318 LN) are available. A mechanical cleaning system is mandatory.

Dimensions	
UV chamber (A x H x L)	400 x 406 x 900 mm / 15-3/4" x 16" x 35-1/2"
Lamp replacement compartment (K)	250 mm / 9-27/32"
Lamp replacement compartment and manual cleaning (M)	450 mm 17-5/32"
Sensor service compartment (Y)	200 mm / 7-7/8"
Wall clearance when using the wall brackets (B)	250 mm / 9-27/32"
Control panel (height x width x depth)	700 x 500 x 300 mm / 27-9/16" x 19-11/16" x 11-13/16"
HPC III user interface	
Display	NO = normally open, dry contact the 8 outputs below have 1 common 1 x 16 characters + LED indicators
Operation	2 buttons
Remote on/off, input	open = off, connect for on
High power level, input	connect for high power, open = auto
UV alarm, output	NO, failsafe, closed = OK, open = alarm
Water temperature alarm, output	
Automatic cleaning mechanism alarm, output	
Lamp failure, output	
Flow alarm, output	
Cabinet temperature alarm, output	NO, open = OK, closed = warning
UV warning, output	
Water temp. warning, output	
Pump on, output	2 output relais
System Stand-by, output	closed = OK
Contact rating outputs	8A/250 VAC AC1
Certifications	
DVGW	optional
ISO 9001	yes
CE	yes
UL STD 508	yes
CAN/CSA STD C22.2-14	
NSF50 (Annex H.1) Generator	yes
NSF61	yes
ACS (Attestation de conformité sanitaire)	yes
Agreement of the French health and sports ministry	yes (chloramines reduction applications in pools)



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