

## Specifications

<b>UV chamber</b>	
Number of lamps	1
Lamp type	WTL 1000
Chamber material	1.4404 / AISI 316L
Flange connection	DN 125 acc. DIN EN 1092-1 PN16, 5" ANSI 16.5 class 150 type RF optional
Enclosure rating	IP 54 / NEMA 12
Operating pressure, static	3 bar*, 16 bar, 150 PSI optional
Water temperature	max. 45 °C / 113 °F
Wetted parts	1.4462 / AISI 318 LN
Dry weight	59 kg / 132 lbs
Wet weight	81 kg / 180 lbs
UV sensors	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. 0.10 m³/h / 0.44 GPM
Lamp power control	yes
Mechanical cleaning system	
Manual*	optional
Automatic	optional
Chemical cleaning system	optional
<b>Control panel</b>	
Cabinet Material	painted sheet steel, stainless steel optional
Door interlock switch	yes
Digital hours counter	yes
Enclosure rating	IP 43 / NEMA 3R
Weight	40 kg / 88 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	1170 W
Max. apparent power	1194 VA
Full Load Ampere FLA	6 A (208 V) or 5 A (240 V)
Minimum Circuit Ampacity MCA	7 A (208 V) or 6 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 manual cleaning the permitted operating pressure is 3 bar.

Dimensions	
UV chamber (A x H x L)	350 x 306 x 1000 mm / 11-13/16" x 8-7/16" x 39-3/8"
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)	150 mm / 5-29/32"
Wall clearance when using the wall brackets (B)	200 mm / 7-7/8"
Control panel (height x width x depth)	700 x 500 x 300 mm / 27-9/16" x 19-11/16" x 11-13/16"
<b>HPC III user interface</b>	
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	
UV warning, output	NO, open = OK, closed = warning
Water temp. warning, output	
Pump on, output	2 output relais closed = OK
System Stand-by, output	
Contact rating outputs	8A/250 VAC AC1
<b>Certifications</b>	
ISO 9001	yes
CE	yes
UL STD 508	yes
CAN/CSA STD C22.2-14	yes
NSF50 (Annex H.1)	yes
Agreement of the French health and sports ministry	yes (chloramines reduction applications in pools)



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