

Specifications

UV chamber	
Number of lamps	6
Lamp type	WTL 3500
Chamber material	1.4404 / AISI 316L
Flange connection	DN 350 acc. DIN EN 1092-1 PN10, PN 16 optional 14" ANSI 16.5 class 150 type RF optional
Enclosure rating	IP 54 / NEMA 12
Operating pressure, static	3 bar* ¹ , 10 bar, 16 bar optional, 150 PSI optional
Water temperature	max. 45 °C / 113 °F
Wetted parts	1.4462 / AISI 318 LN
Dry weight	160 kg / 353 lbs
Wet weight	260 kg / 573 lbs
UV sensors in standard model	1
Certified UV sensors in DVGW model	3 (in UVDGM model: 6)
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. 2.10 m ³ /h / 9.25 GPM
Lamp power control	yes
Mechanical cleaning system	
Manual * ¹	optional
Automatic	optional
DVGW model	manual or 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 / NEMA 3R
Weight	130 kg / 287 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* ²	3/N/PE AC 360/208 - 480/277V, 50-60Hz (IEC) 3/PE AC 208 - 277V, 50-60Hz, 3phase 3wire (USA) or 3/PE AC 360/208 - 480/277V, 50-60Hz, 3phase 4wire (USA)
Max. active power	19300 W
Max. apparent power	20470 VA
Full Load Ampere FLA	58 A (208 V), 50 A (240 V) or 25 A (480/277 V)
Minimum Circuit Ampacity MCA	63 A (208 V), 63 A (240 V) or 31 A (480/277 V)
Maximum Fuse Size MFS	63 A (208 V), 63 A (240 V) or 35 A (480/277 V)
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

*¹For manual cleaning the permitted operating pressure is 3 bar.

*²For use in Canadian networks specific matching transformers are available.

Dimensions	
UV chamber (A x H x L)	600 x 590 x 1000 mm / 23-5/8" x 23-1/4" x 39-3/8"
Lamp replacement compartment (K)	350 mm / 13-25/32"
Lamp replacement compartment and manual cleaning (M)	600 mm / 23-5/8"
Sensor service compartment (Y)	100 mm / 3-15/16"
Sensor service compartment for DVGW systems (Z)	100 mm / 3-15/16"
Wall clearance when using the wall brackets (B)	400 mm / 15-3/4"
Control panel (height x width x depth)	1125 x 800 x 400 mm / 44-5/16" x 39-2/5" x 15-3/4"
HPC III user interface	NO = normally open, dry contact the 8 outputs below have 1 common
Display	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
MultiSens user interface	only in DVGW model when more than one UV sensor is specified
Display	4 x 20 characters
Operation	4 keys
UV sensor inputs used, 4 - 20 mA	6
UV signal output, 4 - 20 mA	1 (for internal use only)

Certifications	
DVGW	optional
ISO 9001	yes
CE	yes
UL STD 508 CAN/CSA STD C22.2-14	yes
NSF61	optional



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 WT.090.370.38K.IE.DS.1110
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Western Region
 (08) 9412 6100
hydramet@hydramet.com.au

Central Region
 (08) 8374 7800
hydrasa@hydramet.com.au

Eastern Region
 (03) 9325 3900
hydravic@hydramet.com.au