



Lifeline UV is designed for safe, reliable and effective disinfection of water services

Environmentally friendly, chemical free treatment

High pathogen kill rate, low power consumption, low hydraulic pressure drop

Flexible design for multiple installation configurations

WRAS Approved, UK Manufactured, Quality Assured

Above image shows:
Lifeline UV 02300
with UV Monitor

LIFELINE UV 10020 TECHNICAL SPECIFICATION

TREATMENT CAPACITY (m3/hr)

UV Transmission (UVT)	16mJ/cm2 Average Dose	30mJ/cm2 Average Dose	40mJ/cm2 Average Dose	16mJ/cm2 RED Dose*	30mJ/cm2 RED Dose*	40mJ/cm2 RED Dose*
80%	88.30	48.20	36.40	42.10	26.50	18.10
85%	112.70	61.50	46.40	62.60	42.80	29.30
90%	143.70	78.50	59.10	92.80	73.30	50.00
95%	183.30	100.20	75.40	137.50	133.70	93.00
98%	212.20	116.00	87.10	174.30	135.60	134.60

UV CHAMBER SPECIFICATION

Lamps	1
Lamp Type/Power (W)	Amalgam 600W
Expected Lamp Life (hours)	12000
Temperature Sensor	Yes
UV Monitor	Optional
Manual/Automatic Cleaning Wiper	Optional
Material of Construction	316 L Stainless Steel, Electropolished and Passivated
Connections	DN150 EN1092-1 PN16 Flanged
Operating Pressure	10 Bar
Maximum Fluid Temperature	40C
IP Rating	IP65 (NEMA 4)
Length x Diameter (mm)**	1980 x 204
Weight (Dry/Wet)	46.0kg/ 106.5kg
Hydrostatically Pressure Tested	Yes (30 Minutes)
Vertical Mounting Option	No

* During latest validation testing for RED dose the 10020 unit was run at a higher wattage (600W), showing improved performance against previous average dose testing

** Allow chamber length clearance for lamp and sleeve replacement

CONTINUED OVERLEAF...

ELECTRON CONTROLLER

Material of Construction	Painted Carbon Steel
IP Rating	IP65 (NEMA 12)
H x W x D (mm) Unwiped ***	690 x 400 x 225 (230V)
H x W x D (mm) Wiped ***	690 x 400 x 225 (230V)
Weight	RC/RCM Model: 16kg
Supply Voltage	220V - 240V
Operating Temperature Range	5C to 40C
Maximum Cable Length	5 metres
Total Connected Power	641W

*** Dimensions excluding brackets
Wiped = pneumatically driven



CONTROLLER FEATURES	Indicators			VFC Outputs		Reset	Remote	Options
	Lamp On	Lamp Fail	Power On	Lamp On	Low UV	Button	Start/Stop	
Model:								
RC (Lifeline UV 10020RC)	Y	Y	Y	Y	N	Y	Y	N
RCM (Lifeline UV 10020RCM)	Y	Y	Y	Y	Y	Y	Y	Y

Lifeline UV are manufactured at an ISO9001 facility. All systems go through stringent quality checks and come supplied with relevant documentation.

Lifeline UV systems are WRAS approved. Our PQ range features units validated by third party testing in accordance with USEPA UV Disinfection Guidance.

Contact your distributor or Lifeline UV sales advisor if you require further information.

