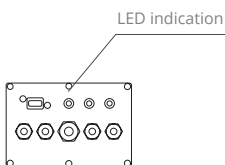


PROFIPURE – LIFEUVM®-MP-LE

Water disinfection and removal of health-harmful bound chlorine and Trichloramines



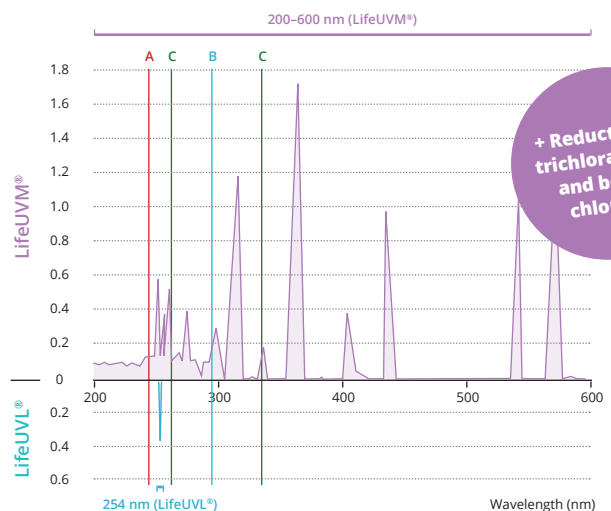
Expected life of UV lamp 5,000 hours	Technology (Series) Medium-pressure UV systems (Classic)	Application Public / Private pools and whirlpools	Water flow 4.7-14 m³/h
Connection 1 ½"-2"	Power supply Magnetic power supply	Wiper Without wiper	Extension Temperature sensor

Medium-pressure UV technology

Medium-pressure UV lamps are based on the broad-spectrum radiation principle – from 200 to 600 nm. And that is an advantage. The wider the range of waves shines through the space, the more pathogens it hits. In addition, this broad-spectrum UV radiation eliminates the DNA of microorganisms permanently, without the possibility of their reactivation (the ability to repair damaged DNA again). Unlike low-pressure systems, medium-pressure UV systems can operate in both cold and hot water. After treatment, the water is treated thoroughly and permanently.

200–600 nm	Polychromatic emission spectrum of medium-pressure lamps
254 nm	Monochromatic emission spectrum of low-pressure lamps
245 nm	Reduction of monochloramine (A)
297 nm	Reduction of dichloramine (B)
260, 340 nm	Reduction of trichloramine (C)

Spectral radiation force (relative units)



i Medium-pressure UVM systems are the only UV systems that reduce the value of bound chlorine in the pool - anchored in the German standard for pools. (DIN 19643)



MEDIUM-PRESSURE UV SYSTEMS



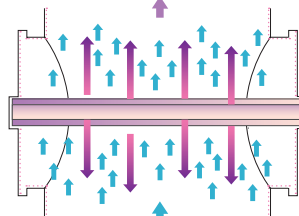
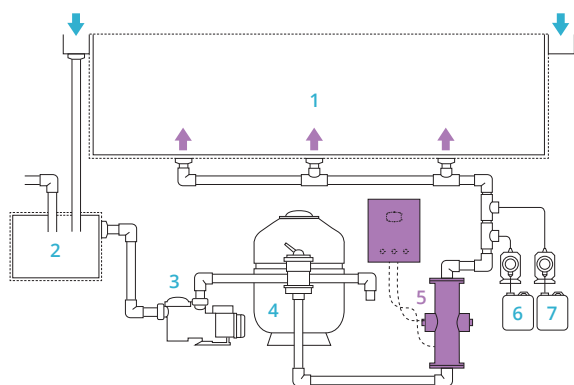
Model	Code	PROFIPURE	PROFITINY	CHARM	CLEAR	TOP
Expected life of LifeUVM® UV lamp		5,000	5,000	10,000	8,000	18,000
Technology LifeAGE®				✓		✓
Water flow (m³/h) (Public pools and whirlpools)		4.7	27	33	616	910
Water flow (m³/h) (Private and semi-public pools and whirlpools)		14	38	42	-	-
Series		Classic	Classic	Classic	Direct	Direct
Magnetic power supply	MP	✓	✓		✓	
Advanced electronic power supply (LifeAGE® technology)	AEP			✓		✓
Without wiper	NW	✓	✓			
Manual wiper	MW		✓	✓	✓	✓
Automatic wiper	AW			✓	✓	✓

Public swimming pools and whirlpools – UV dose 60 mJ/cm² / other models on request

PROFIPURE models

	Connection	Water flow m³/h		Total power input of UV lamps (kW) / phase
		Public pools and whirlpools	Private pools and whirlpools	
Without wiper				
ProfiPure 100	1 ½"	4.7	12	0.25 / I
ProfiPure 200	2"	4.7	14	0.25 / I

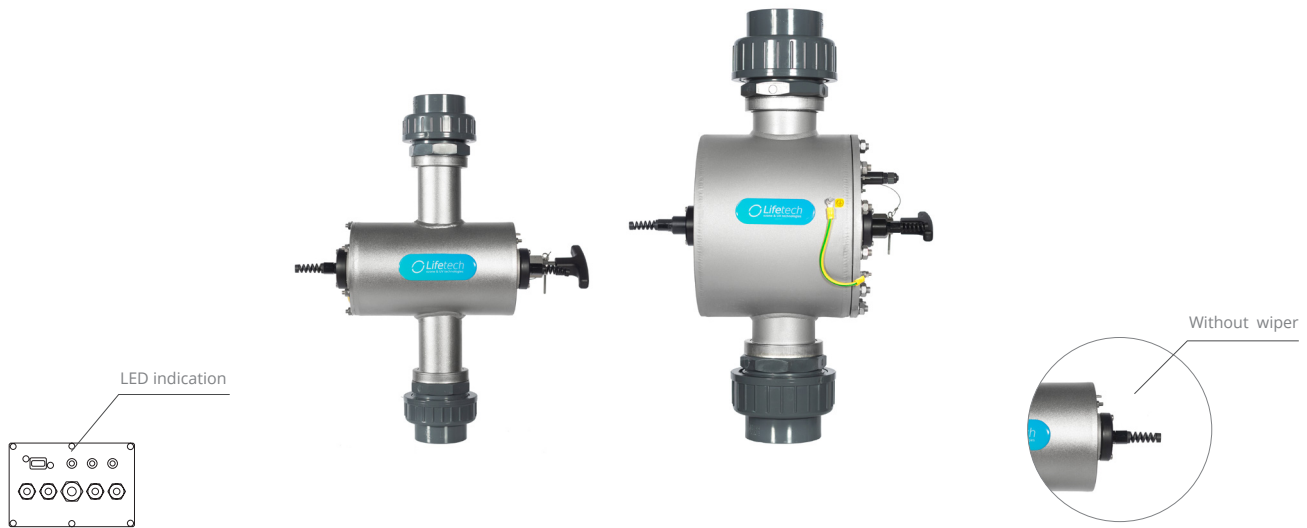
Installation



- 1 Swimming pool
- 2 Storage tank
- 3 Circulator pump
- 4 Filter
- 5 LifeUVM®
- 6 pH adjustment
- 7 Chlorine dosage

PROFITINY – LIFEUVM® – NW/MW – MP – LE

Water disinfection and removal of health-harmful bound chlorine and Trichloramines



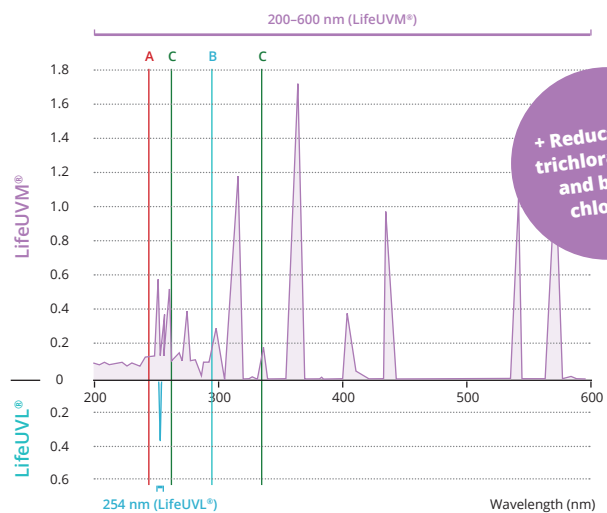
Expected life of UV lamp 5,000 hours	Technology (Series) Medium-pressure UV systems (Classic)	Application Public / Private pools and whirlpools	Water flow 9–38 m³/h
Connection 2"–3"	Power supply Magnetic power supply	Wiper Without wiper / Manual wiper	Extension Temperature sensor

Medium-pressure UV technology

Medium-pressure UV lamps are based on the broad-spectrum radiation principle – from 200 to 600 nm. And that is an advantage. The wider the range of waves shines through the space, the more pathogens it hits. In addition, this broad-spectrum UV radiation eliminates the DNA of microorganisms permanently, without the possibility of their reactivation (the ability to repair damaged DNA again). Unlike low-pressure systems, medium-pressure UV systems can operate in both cold and hot water. After treatment, the water is treated thoroughly and permanently.

200–600 nm	Polychromatic emission spectrum of medium-pressure lamps
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245 nm	Reduction of monochloramine (A)
297 nm	Reduction of dichloramine (B)
260, 340 nm	Reduction of trichloramine (C)

Spectral radiation force (relative units)



Medium-pressure UVM systems are the only UV systems that reduce the value of bound chlorine in the pool - anchored in the German standard for pools. (DIN 19643)



MEDIUM-PRESSURE UV SYSTEMS



Model	Code	PROFI PURE	PROFITINY	CHARM	CLEAR	TOP
Expected life of LifeUVM® UV lamp		5,000	5,000	10,000	8,000	18,000
Technology LifeAGE®				✓		✓
Water flow (m³/h) (Public pools and whirlpools)		4.7	27	33	616	910
Water flow (m³/h) (Private and semi-public pools and whirlpools)		14	38	42	-	-
Series		Classic	Classic	Classic	Direct	Direct
Magnetic power supply	MP	✓	✓		✓	
Advanced electronic power supply (LifeAGE® technology)	AEP			✓		✓
Without wiper	NW	✓	✓			
Manual wiper	MW		✓	✓	✓	✓
Automatic wiper	AW			✓	✓	✓

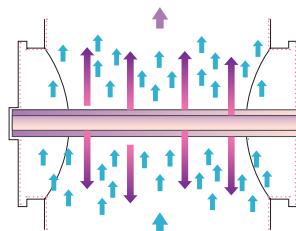
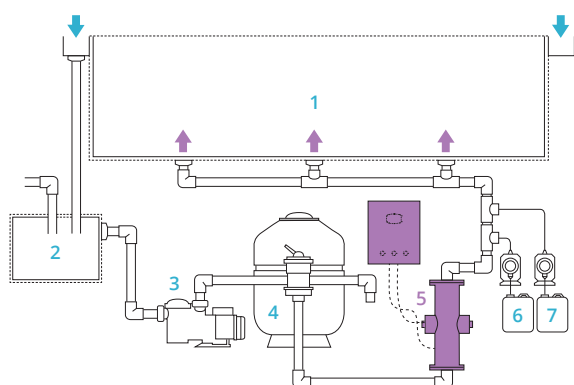
Public swimming pools and whirlpools – UV dose 60 mJ/cm² / other models on request

PROFI PURE models

Without wiper (NW)	Manual wiper (MW)	Connection	Water flow m³/h		Total power input of UV lamps (kW) / phase
			Public pools and whirlpools	Private pools and whirlpools	
LifeUVM0104-13-NW-MP-LE	LifeUVM0104-13-MW-MP-LE	2"	9	18	0.4 / I
LifeUVM0104-25-NW-MP-LE	LifeUVM0104-25-MW-MP-LE	3"	27	38	0.4 / I

The PVC fitting shown included in the LifeUVM® ProfiTiny supply.

Installation



- 1 Swimming pool
- 2 Storage tank
- 3 Circulator pump
- 4 Filter
- 5 LifeUVM®
- 6 pH adjustment
- 7 Chlorine dosage