

LIFETECH
TECHNOLOGIES



REDUCE
CARBON
FOOTPRINT

 **Lifetech**
less chlorine, more health

Chlorine-free technology
for a healthy pools

Over 25 years of research, development and real-world experience

- We deliver to more than 60 countries around the world
- Focus on B2B, service support
- Strong R&D
- Patented and unique solutions
- Serial and custom production
- UV, Ozone and AOP technology
- 25 years of experience



Pool water - private

Max flow rate	33-250 m³/h
Max pool volume	252 m³

Water	Fresh, Salt
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Pool type	Indoor, Outdoor
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Pool water - public

Max water flow	33-910 m³/h
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Water	Fresh, Salt
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Whirlpools type	Indoor, Outdoor
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Whirlpools

Max water flow	252 m³/h
Max whirlpools volume	20 m³

Water	Fresh, Salt
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Whirlpools type	Indoor, Outdoor
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Low-pressure UV technology (UVL)

UV radiation

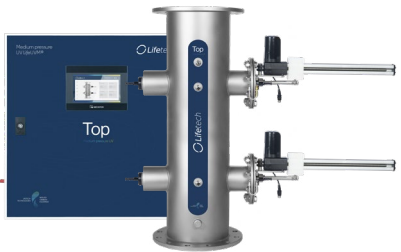


- Pool water - private
- Whirlpools

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Medium-pressure UV technology (UVM)

UV radiation



- Pool water - private
- Pool water - public
- Whirlpools

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Ozone water treatment

Ozone (O₃)



- Pool water - public

Lifetech's ozone systems are custom-designed for specific projects, offering efficient and sustainable solutions for pools, drinking water, and industrial applications. These systems are compact, reliable, and tailored to client needs while reducing chemical usage and environmental impact.

AOP (Advanced Oxidation Process)

Advanced Oxidation Process (AOP) (UVL/UVM + O₃ = AOP)



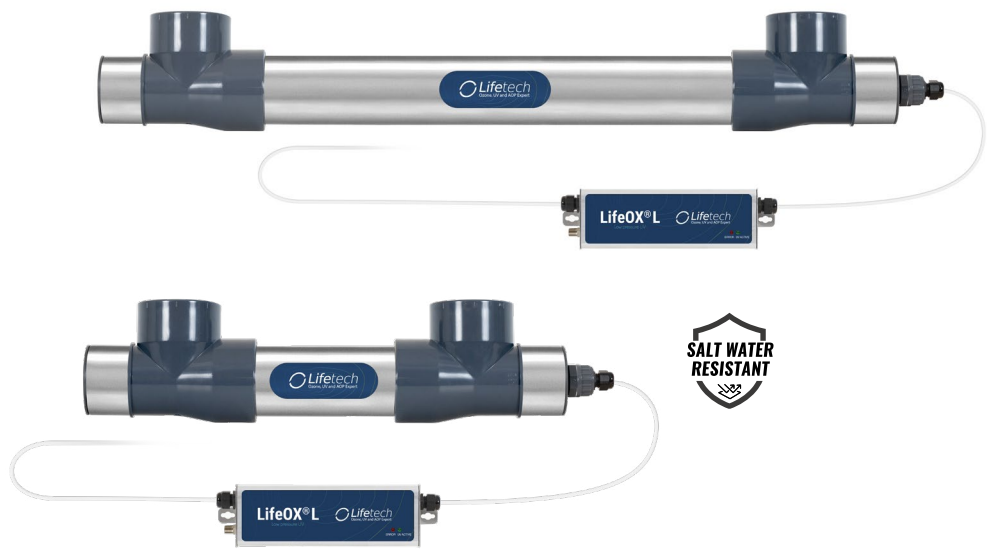
- Pool water - private
- Pool water - public
- Whirlpools

LifeOX® M	13
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LifeOX® L

Compact and Efficient Design

Low-pressure UV



Expected life of UV lamp	16,000 hours
Technology (Series)	Low-pressure UV systems (254 nm)
Application	Indoor poolsOutdoor poolsWhirlpools
Salt pool resistant (salt concentration up to 5 kg/m³)	Yes
Rec. flow rate for disinfection	13 m³
Max flow rate	23 m³/h
Pool volume up to	87 m³

Max. Pressure	4 bar
Power Supply	Advanced Electronic Ballast, 100-240 V/50-60Hz

	Rec. Flow for disinfection (m³/h)	Max flow rate (m³/h)	Max volume (m³)	Max.Pressure (bar)
LifeOX® L100	13	23	48	4
LifeOX® L200	19	23	87	4

LifeOX® L IoT

IoT- Smart Pool & Monitoring

Low-pressure UV



Expected life of UV lamp	16,000 hours
Technology (Series)	Low-pressure UV systems (254 nm)
Application	Indoor poolsOutdoor poolsWhirlpools
Salt pool resistant (salt concentration up to 5 kg/m³)	Yes
Rec. flow rate for disinfection	13 m³
Max flow rate	23 m³/h
Pool volume up to	87 m³

Max. Pressure	4 bar
Power Supply	Advanced Electronic Ballast, 100-240 V/50-60Hz

	Rec. Flow for disinfection (m³/h)	Max flow rate (m³/h)	Max volume (m³)	Max.Pressure (bar)
LifeOX® L100 IoT	13	23	48	4
LifeOX® L200 IoT	19	23	87	4

LifeUVC

Multi-lamp UV system
for ultimate water care

Low-pressure UV



Expected life of UV lamp	16,000 hours
Technology (Series)	Low-pressure UV systems (254 nm)
Application	Indoor pools Outdoor pools Whirlpools
Salt pool resistant (salt concentration up to 5 kg/m ³)	Yes
Max flow rate Public pools (UV dose 60 mJ/cm ²)	66 m ³ /h
Max flow rate Private pools (UV dose 30 mJ/cm ²)	132 m ³ /h
Max flow rate	170 m ³ /h

Connection	2"-DN150
Total power	48 - 522 W
Power Supply	Advanced Electronic Power, 100-240 V/50-60Hz
Max.Pressure	4 bar
Option	Temperature sensor UV sensor Communication -IoT, RS485

	Connection	Max flow rate (m ³ /h) Public pools (UV dose 60 mJ/cm ²)	Max flow rate (m ³ /h) Private pools (UV dose 30 mJ/cm ²)	Max flow rate (m ³ /h)	Lamp power (W)	Total power (W)
LifeUVC0148-16-NW-EB-BCD-G2	2"	3	6	20	48	48
LifeUVC0187-16-NW-EB-BCD-G3	3"	6,5	13	49	87	87
LifeUVC0287-16-NW-EB-BCD-G3	3"	13	26	49	2x87	174
LifeUVC0387-16-NW-EB-BCD-G3	3"	20	40	49	3x87	261
LifeUVC0387-20-NW-EB-BCD-DN100	DN100	25	50	80	3x87	261
LifeUVC0487-20-NW-EB-BCD-DN125	DN125	34	68	120	4x87	348
LifeUVC0587-20-NW-EB-BCD-DN125	DN125	42	84	120	5x87	435
LifeUVC0687-20-NW-EB-BCD-DN150	DN150	50	100	170	6x87	522
LifeUVC0687-27-NW-EB-BCD-DN150	DN150	66	132	170	6x87	522

LifeUVC IoT

IoT - Smart Pool
& Multi-lamp UV System

Low-pressure UV



Expected life of UV lamp	16,000 hours
Technology (Series)	Low-pressure UV systems (254 nm)
Application	Indoor pools Outdoor pools Whirlpools
Salt pool resistant (salt concentration up to 5 kg/m ³)	Yes
Max flow rate Public pools (UV dose 60 mJ/cm ²)	66 m ³ /h
Max flow rate Private pools (UV dose 30 mJ/cm ²)	132 m ³ /h
Max flow rate	170 m ³ /h

Connection	2"-DN150
Total power	48 - 522 W
Power Supply	Advanced Electronic Power, 100-240 V/50-60Hz
Max.Pressure	4 bar
Option	Temperature sensor UV sensor Communication -IoT, RS485

	Connection	Max flow rate (m ³ /h) Public pools (UV dose 60 mJ/cm ²)	Max flow rate (m ³ /h) Private pools (UV dose 30 mJ/cm ²)	Max flow rate (m ³ /h)	Lamp power (W)	Total power (W)
LifeUVC0148-16-NW-EB-BCD-G2-IoT	2"	3	6	20	48	48
LifeUVC0187-16-NW-EB-BCD-G3-IoT	3"	6,5	13	49	87	87
LifeUVC0287-16-NW-EB-BCD-G3-IoT	3"	13	26	49	2x87	174
LifeUVC0387-16-NW-EB-BCD-G3-IoT	3"	20	40	49	3x87	261
LifeUVC0387-20-NW-EB-BCD-DN100-IoT	DN100	25	50	80	3x87	261
LifeUVC0487-20-NW-EB-BCD-DN125-IoT	DN125	34	68	120	4x87	348
LifeUVC0587-20-NW-EB-BCD-DN125-IoT	DN125	42	84	120	5x87	435
LifeUVC0687-20-NW-EB-BCD-DN150-IoT	DN150	50	100	170	6x87	522
LifeUVC0687-27-NW-EB-BCD-DN150-IoT	DN150	66	132	170	6x87	522

ProfiPure

Smallest medium Pressure UV you can get

Medium-pressure UV



Expected life of UV lamp	5,000 hours
Technology (Series)	Medium-pressure UV systems (200–600 nm)
Application	☒ Indoor pools ☐ Outdoor pools ☐ Whirlpools
Salt water	Yes
Private pool: Max pool volume	294 m³
Public pool: Max flow rate (UV dose 30 mJ/cm²)	49 m³/h
Public pool: Max flow rate (UV dose 60 mJ/cm²)	up to 30 m³/h

Power supply	Magnetic power supply
Connection	1 ½"–3"
Total power input of UV lamps	0,25 - 0,8 kW
Wiper	Without wiper
Material	Stainless-steel reactor 316L (Salt water resistant)
Sensor	Temperature
Optional	UV sensor

Without wiper (NW)	Manual wiper (MW)	Automatic wiper (AW)	Connection	Max volume (m³) Private pools and whirlpools	Max flow rate (m³/h) Private pools and whirlpools (UV dose 30 mJ/cm²)	Max flow rate Public pools and whirlpools (m³/h) (UV dose 60 mJ/cm²)	Total power input of UV lamps (kW) / phase
ProfiPure 100	-	-	1 ½"	72	12	4.7	0.25 / I
ProfiPure 200	-	-	2"	84	14	4.7	0.25 / I
ProfiPure 300	-	-	2"	106	18	9.0	0.25 / I
ProfiPure 400	-	-	3"	180	30	15	0.40 / I
ProfiPure 500	-	-	3"	294	49	30	0.80 / I

ProfiPure

Smallest medium Pressure UV you can get

Medium-pressure UV



Expected life of UV lamp	5,000 hours
Technology (Series)	Medium-pressure UV systems (200–600 nm)
Application	☒ Indoor pools ☐ Outdoor pools ☐ Whirlpools
Salt water	Yes
Private pool: Max pool volume	294 m³
Public pool: Max flow rate (UV dose 30 mJ/cm²)	49 m³/h
Public pool: Max flow rate (UV dose 60 mJ/cm²)	up to 30 m³/h

Power supply	Magnetic power supply
Connection	1 ½"–3"
Total power input of UV lamps	0,25 - 0,8 kW
Wiper	Without wiper
Material	Stainless-steel reactor 316L (Salt water resistant)
Sensor	Temperature
Optional	UV sensor

Without wiper (NW)	Manual wiper (MW)	Automatic wiper (AW)	Connection	Max volume (m³) Private pools and whirlpools	Max flow rate (m³/h) Private pools and whirlpools (UV dose 30 mJ/cm²)	Max flow rate Public pools and whirlpools (m³/h) (UV dose 60 mJ/cm²)	Total power input of UV lamps (kW) / phase
ProfiPure 100 IoT	-	-	1 ½"	72	12	4.7	0.25 / I
ProfiPure 200 IoT	-	-	2"	84	14	4.7	0.25 / I
ProfiPure 300 IoT	-	-	2"	106	18	9.0	0.25 / I
ProfiPure 400 IoT	-	-	3"	180	30	15	0.40 / I
ProfiPure 500 IoT	-	-	3"	294	49	30	0.80 / I

ProfiTiny
Medium Pressure UV
with wiper

Medium-pressure UV



Expected life of UV lamp	5,000 hours
Technology (Series)	Medium-pressure UV systems (200–600 nm)
Application	Indoor poolsOutdoor poolsWhirlpools
Salt water	Yes
Private pool: Max pool volume	up to 294 m³
Public pool: Max flow rate (UV dose 30 mJ/cm²)	up to 49 m³/h
Public pool: Max flow rate (UV dose 60 mJ/cm²)	up to 44 m³/h

Power supply	Magnetic power supply
Connection	2'''–3''
Total power input of UV lamps	0,4 – 0,8 kW
Wiper	Without wiper, Manual wiper
Material	Stainless-steel reactor 316L (Salt water resistant)
Sensor	Temperature
Optional	UV sensor

Without wiper (NW)	Manual wiper (MW)	Automatic wiper (AW)	Connection	Max volume (m³) Private pools and whirlpools	Max flow rate (m³/h) Private pools and whirlpools (UV dose 30 mJ/cm²)	Max flow rate Public pools and whirlpools (m³/h) (UV dose 60 mJ/cm²)	Total power input of UV lamps (kW) / phase
LifeUVM0104-13-NW-MP-LE	LifeUVM0104-13-MW-MP-LE	-	2''	110	20	16	0,4 / I
LifeUVM0104-25-NW-MP-LE	LifeUVM0104-25-MW-MP-LE	-	3''	230	38	27	0,4 / I
LifeUVM0204-25-NW-MP-LE	LifeUVM0204-25-MW-MP-LE	-	3''	294	49	44	0,8 / I

Charm
Fully automatic
Medium Pressure UV

Medium-pressure UV



Expected life of UV lamp	10,000 hours
Technology (Series)	Medium-pressure UV systems (200–600 nm)
Application	Indoor poolsOutdoor poolsWhirlpools
Salt water	Yes
Private pool: Max pool volume	up to 252 m³
Public pool: Max flow rate (UV dose 30 mJ/cm²)	up to 49 m³/h
Public pool: Max flow rate (UV dose 60 mJ/cm²)	up to 33 m³/h

Power supply	Advanced electronic power supply (LifeAGE® technology)
Connection	2'''–3''
Total power input of UV lamps	0,4 –0,6 kW
Wiper	Manual wiper, Automatic wiper
Material	Stainless-steel reactor 316L (Salt water resistant)
Sensor	Temperature
Optional	UV sensor

Without wiper (NW)	Manual wiper (MW)	Automatic wiper (AW)	Connection	Max volume (m³) Private pools and whirlpools	Max flow rate (m³/h) Private pools and whirlpools (UV dose 30 mJ/cm²)	Max flow rate Public pools and whirlpools (m³/h) (UV dose 60 mJ/cm²)	Total power input of UV lamps (kW) / phase
-	LifeUVM0104-13-MW-AEP-LD	LifeUVM0104-13-AW-AEP-LD	2''	110	20	16	0,4 / I
-	LifeUVM0104-25-MW-AEP-LD	LifeUVM0104-25-AW-AEP-LD	3''	230	38	27	0,4 / I
-	LifeUVM0106-25-MW-AEP-LD	LifeUVM0106-25-AW-AEP-LD	3''	294	49	33	0,6 / I

TOP direct

Best UV you can get

Medium-pressure UV



Expected life of UV lamp	18,000 hours
Technology (Series)	Medium-pressure UV systems (200–600 nm)
Application	☐ Indoor pools ☐ Outdoor pools ☐ Whirlpools
Salt water	Yes
Max flow rate (UV dose 60 mJ/cm²)	up to 910 m³/h

Power supply	Advanced electronic power supply - LifeAGE®
Total power input of UV lamps	1 – 18 kW
Wiper	Manual wiper, Automatic wiper
Extension	Temperature sensor UV sensor Modbus connection TS touch display

Without wiper (NW)	Manual wiper (MW)	Automatic wiper (AW)	Connection DN	Max flow rate - Public pools and whirlpools (m³/h) (UV dose 60 mJ/cm²)	Total power input of UV lamps (kW) / phase
-	LifeUVM0110-13-MW-AEP-TS-D-DN125	LifeUVM0110-13-AW-AEP-TS-D-DN125	125	33	1/I
-	LifeUVM0110-16-MW-AEP-TS-D-DN150	LifeUVM0110-16-AW-AEP-TS-D-DN150	150	46	1/I
-	LifeUVM0120-16-MW-AEP-TS-D-DN150	LifeUVM0120-16-AW-AEP-TS-D-DN150	150	63	2/I
-	LifeUVM0120-21-MW-AEP-TS-D-DN200	LifeUVM0120-21-AW-AEP-TS-D-DN200	200	88	2/I
-	LifeUVM0120-21-MW-AEP-TS-D-DN150	LifeUVM0120-21-AW-AEP-TS-D-DN150	150	88	2/I
-	LifeUVM0130-27-MW-AEP-TS-D-DN250	LifeUVM0130-27-AW-AEP-TS-D-DN250	250	147	3/I
-	LifeUVM0130-27-MW-AEP-TS-D-DN150	LifeUVM0130-27-AW-AEP-TS-D-DN150	150	147	3/I
-	LifeUVM0130-32-MW-AEP-TS-D-DN300	LifeUVM0130-32-AW-AEP-TS-D-DN300	300	207	3/I
-	LifeUVM0130-32-MW-AEP-TS-D-DN250	LifeUVM0130-32-AW-AEP-TS-D-DN250	250	207	3/I
-	LifeUVM0230-27-MW-AEP-TS-D-DN250	LifeUVM0230-27-AW-AEP-TS-D-DN250	250	252	6/III
-	LifeUVM0230-32-MW-AEP-TS-D-DN300	LifeUVM0230-32-AW-AEP-TS-D-DN300	300	315	6/III
-	LifeUVM0230-32-MW-AEP-TS-D-DN250	LifeUVM0230-32-AW-AEP-TS-D-DN250	250	315	6/III
-	LifeUVM0330-32-MW-AEP-TS-D-DN300	LifeUVM0330-32-AW-AEP-TS-D-DN300	300	462	9/III
-	LifeUVM0430-32-MW-AEP-TS-D-DN300	LifeUVM0430-32-AW-AEP-TS-D-DN300	300	616	12/III
-	LifeUVM0430-37-MW-AEP-TS-D-DN350	LifeUVM0430-37-AW-AEP-TS-D-DN350	350	630	12/III
-	LifeUVM0430-40-MW-AEP-TS-D-DN400	LifeUVM0430-40-AW-AEP-TS-D-DN400	400	644	12/III
-	LifeUVM0430-40-MW-AEP-TS-D-DN350	LifeUVM0430-40-AW-AEP-TS-D-DN350	350	644	12/III
-	LifeUVM0530-40-MW-AEP-TS-D-DN400	LifeUVM0530-40-AW-AEP-TS-D-DN400	400	770	15/III
-	LifeUVM0530-40-MW-AEP-TS-D-DN350	LifeUVM0530-40-AW-AEP-TS-D-DN350	350	770	15/III
-	LifeUVM0630-40-MW-AEP-TS-D-DN400	LifeUVM0630-40-AW-AEP-TS-D-DN400	400	910	18/III

LifeOX® M

The best technology money can get

AOP



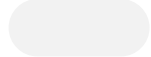
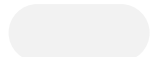
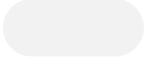
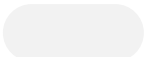
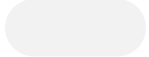
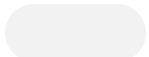
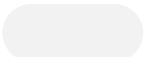
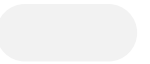
Technology	AOP (Advanced Oxidation Process)
Application	☐ Indoor pools ☐ Outdoor pools ☐ Whirlpools
Salt water	Yes
Max flow rate	up to 250 m³/h
Ozone generation	Air dryer Oxygen concentrator
Ozone generation technology	Corona discharge
AOP technology	Ozone + UV

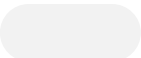
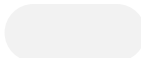
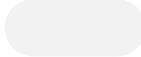
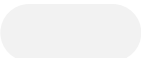
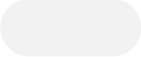
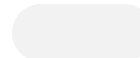
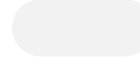
UV lamp type	Medium-pressure LifeUVM®
Power control	10–100 %
Installation	Plug & Play
Connection system	In pipes (in-line) In by-pass
Input power (kW)	1.8– 9.0

Model	Ozone generation	Connection	Max flow rate Public pools (m³/h)	Input power (kW)	Dimensions (mm)	Weight (kg)
LifeOX® M10.EP	Air dryer	2"	10	1.8	985x847x1,202	100
LifeOX® M20.EP	Air dryer	2"	20	2.0	985x847x1,202	100
LifeOX® M40.EP	Oxygen concentrator	3"	40	2.5	1,110x857x1,472	140
LifeOX® M90.EP	Oxygen concentrator	DN 125 (flange)	90	3.9	1,300x1,300x2,000	250
LifeOX® M140.EP	Oxygen concentrator	DN 150 (flange)	140	5.9	1,300x1,300x2,000	250
LifeOX® M250.EP	Oxygen concentrator	DN 250 (flange)	250	9.0	1,500x1,300x2,000	280

Product comparison

Technical parameters

					
	LifeOX® L	LifeUVC	ProfiPure IoT	ProfiTiny	Charm
Expected life of UV lamp	16000 hours	16 000 hours	5 000 hours	5 000 hours	10 000 hours
Technology (Series)	Low-pressure UV	Low-pressure UV	Medium-pressure UV	Medium-pressure UV	Medium-pressure UV
IoT	-	-	Yes	-	-
Salt water	Yes	Yes	Yes	Yes	Yes
Skincare technology (remove trichloramin)	-	-	Yes	Yes	Yes
Max pool private volume	87 m³	-	294 m³	294 m³	252 m³
Max flow rate Private pools and whirlpools (UV dose 30 mJ/cm²)	23 m³/h	66 m³/h	49 m³/h	49 m³/h	42 m³/h
Max flow rate (m³/h) Public pools and whirlpools (UV dose 60 mJ/cm²)	-	132 m³/h	30 m³/h	44 m³/h	33 m³/h
Aplication	Indoor pools, Outdoor pools, Whirlpools	Indoor pools, Outdoor pools, Whirlpools	Indoor pools, Outdoor pools, Whirlpools	Indoor pools, Outdoor pools, Whirlpools	Indoor pools, Outdoor pools, Whirlpools
TOC reduction	-	-	-	-	-
Power supply	Advanced Electronic Ballast,	Advanced Electronic Ballast,	Magnetic power supply	Magnetic power supply	Advanced electronic power supply (LifeAGE® technology)
					
Connection	-	2"-DN150	1 1/2"-3"	2'''-3"	2'''-3"
Total power input of UV lamps	-	48 - 522 W	0.25 - 0.8 kW	0.4 - 0.8 kW	0.4 - 0.6 kW
Wiper	Without wiper  Manual wiper  Automatic wiper 	Without wiper  Manual wiper  Automatic wiper 	Without wiper  Manual wiper  Automatic wiper 	Without wiper  Manual wiper  Automatic wiper 	Without wiper  Manual wiper  Automatic wiper 
Sensor	-	Temperature	Temperature	Temperature	Temperature sensor
Optional	-	UV sensor	UV sensor	UV sensor	UV sensor

			
Top	LifeOX® M10,20	LifeOX® M40	LifeOX® M90,140,250
18 000 hours	10 000 hours	10 000 hours	10 000 hours
Medium-pressure UV	AOP (Advanced Oxidation Process)	AOP (Advanced Oxidation Process)	AOP (Advanced Oxidation Process)
-	-	-	-
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
-	120 m³	240 m³	1500 m³
-	20 m³/h /1 unit	40 m³/h /1 unit	250 m³/h /1 unit
910 m³/h	20 m³/h /1 unit	40 m³/h /1 unit	250 m³/h /1 unit
Indoor pools, Outdoor pools, Whirlpools	Indoor pools, Outdoor pools, Whirlpools	Indoor pools, Outdoor pools	Indoor pools, Outdoor pools
-	Yes	Yes	Yes
Advanced electronic power supply (LifeAGE® technology)	Advanced electronic power supply (LifeAGE® technology)	Advanced electronic power supply (LifeAGE® technology)	Advanced electronic power supply (LifeAGE® technology)
			
DN 125 – DN 400 (flange)	2"	3"	DN 125 – DN 250 (flange)
1 – 18 kW	1.8– 9.0 kW	1.8– 9.0 kW	1.8– 9.0 kW
Without wiper  Manual wiper  Automatic wiper 	Without wiper  Manual wiper  Automatic wiper 	Without wiper  Manual wiper  Automatic wiper 	Without wiper  Manual wiper  Automatic wiper 
Temperature sensor UV sensor Modbus connection TS touch display	Temperature sensor UV sensor Modbus connection TS touch display	Temperature sensor UV sensor Modbus connection TS touch display	Temperature sensor UV sensor Modbus connection TS touch display
-	-	-	-

Contact



Please do not hesitate to contact us with any questions or comments.

We speak Czech, English, German, Arabic and Russian.

www.lifetechozone.com

Sales Department
sales@lifetechozone.com

Service Department
service@lifetechozone.com

LIFETECH s.r.o.

Kosinova 19
612 00 Brno
Czech Republic

reg ID: 25504401

VAT ID: CZ25504401



www.lifetechozone.com



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