Water treatment-smart control - modern & connected swimming pool

≈klereo

SOMMAIRE

12 YEARS OF INNOVATION
Leader of the automated and connected pool

Klereo has been a pioneer in the market for the management of global pool automation in France and has been offering reliable and innovative connected automation systems for more than 10 years.

With the support of Somfy, Klereo invented the connected pool and has 10 years experience in development of reliable and innovative pool automation systems.
You can control up to 9 functions: filtration, water treatment, heating, cleaning, light, SPA, garden light and watering and other swimming pool functions.

Klereo offer different kind of connections to remote control the pool functions or to control the pool via internet using a smartphone or tablet. This connection is a valuable tool for Pool professionals to organize the management of their maintenance contract ,offer the best service to their customers with preventive and efficient maintenance.

Suitable for all pool configurations, Klereo solutions are adapted to existing or new built swimming pools and even public pools and Spas.
The whole Klereo team is mobilized to answer your requests and to help you to make the project of your customer a success.

KLEREO offers smart automation products that provide good water quality, less maintenance and more savings.

Water quality: Klereo products control filtration time and chemicals dosing (pH and disinfectant) to maintain perfect balance and ensure optimum quality of water. Klereo can work with liquid chlorine, salt chlorinator, active oxygen or bromine.

Automation & control: Klereo products offer complete control and automation of all functions: filtration, water treatment, heating, cleaning, light, SPA, garden light and other swimming pool functions.

Connected pool: Klereo connect is easy to install and allow you to control all pool parameters using simple and intuitive interface on your smart phone, tablet or web-connected device and wireless connection between Klereo connect device and the central unit with more than 100m field range.

Sustainable pool: with Klereo solutions, save water, energy and chemical and enjoy an environment friendly swimming pool.

PROFESSIONAL SOLUTIONS
to offer the best service to your customers

ADVANTAGES

• A **compact** product, **easy to install and to use**

• A solution **adapted to all kind of technical room** of new built or renovated swimming pool

• 100% **compatible with the 4 kind of disinfection** (liquid chlorine, Salt Chlorinator, bromine or active oxygen)

• **Energy saving** and monitoring of consumption (water, energy and chemicals)

• **Automatic water treatment** (regulated dosing of pH and disinfectant)

• **Regulation of filtration** time slot

• The **same equipment controls all pool** equipment: filtration, water treatment, heating, lighting, cleaning, water fountain…)

• **Permanent diagnostics** and history of events in case of maintenance

• A **connected pool** to your smartphone, tablet or PC

• A **reliable and secure K-link communication protocol** for evolutive products

• **Protection** of the filter pump and pool liner

• **Frost-free** function and protection

• Compatible with **automatic wash valves** of sand filter and **variable speed pumps.**
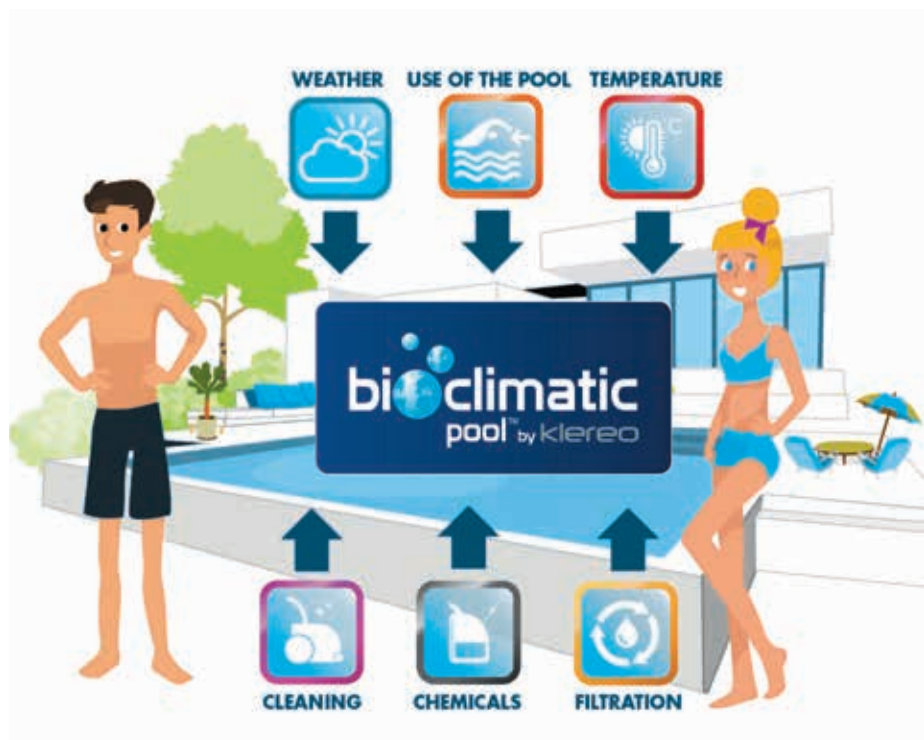
A UNIQUE CONCEPT

**With Klereo, the pool is bioclimatic:
It preserves the swimmer's health and reduces the environment's impact.**

■ BIOCLIMATIC POOL
by **KLEREO**™

Automatic water treatment: Klereo's solutions ensure a correct regulation of the filtration time and dosing of chemicals to guarantee a good quality of water. It considers all the factors that act on the balance of water: sun and UV, air and water temperatures, chemicals…

The guarantee of a healthy, balanced and crystal-clear water to preserve the health of swimmers!

All our products are designed engineered and made in France

K-LINK: Reliable and secured communication protocol

The K-link communication protocol is the result of 20 years of Klereo and Somfy engineers experience in advanced electronics for automotive and home applications. It is a wired and/or wireless communication technology, highly secure, which allows quick installation and friendly use. It also allows modulated and evolutive solutions.

A smart technical room Bioclimatic Pool by Klereo

With the Bioclimatic Pool by Klereo technical room, the pool is managed automatically and smartly, in order to offer the user a good experience with his pool.

To do this, our solutions take into account all the bioclimatic factors acting on the state of the water and regulate them as precisely as possible, with the best possible dosing, to maintain a constant water quality.

The Klereo electronic control units are equipped with the K-link communication bus which allows interoperability between the different functions of the pool: filtration, water treatment, heating, lighting and others auxiliaries

So, to obtain the best water quality, the **Klereo Flo** variable speed pump maintains the speed water circulation to a minimum and automatically increases to ensure the heating and disinfection functions or when the cleaning robot is activated. It is at maximum speed, if necessary, for the filter backwash, skimming or overflow functions for example. The anti-freeze protection function is ensured in the event of low temperatures.

Klereo Valve regularly cleans the filter and removes impurities.

Elegant, reversible and efficient, the **Klereo THERM** heat pump is equipped with full technology Inverter. It adapts its capacity and performance to the heating requirement.

Klereo Connect allows remote control thanks to an advanced and intuitive interface connected to the cloud Klereo. A precious tool for pool maintenance.

The consumption of electricity, water and chemicals are counted and displayed for a better pool monitoring.

A permanent diagnosis allows to activate protections in case of malfunction. The history of events is accessible for preventive maintenance.

A life of comfort, pool is ready when and where you are. Anytime, anywhere, a complete control of your pool. User-friendly with a simple and Intuitive user Interface.

With the Connect option, the pool is connected to your smartphone, tablet or PC to view your pool settings and remotely control all functions: filtration, heating, lighting and other equipment, depending on the functions you choose.

CONNECTION OPTIONS

◼ KLEREO CONNECT

With Klereo Connect, easily access Klereo cloud using your smart phone, tablet or web-connected device and manage all the parameters of your pool

Designation	Reference
internet connection kit	KL60-C2

2 interfaces of connection: 1 adapted to smartphones and 1 for digital tablets

◼ KLEREO PAD

Klereo Pad works without internet connection. This is a friendly-use remote control that allows you to control your pool from your leaving room (range of more than 100 m in free field).

Supplied with a battery charger.

Designation	Reference
remote control display kit compatible Kompact M5	KL20-AF1
remote control display kit compatible Kompact M9	KL21-AF1

Our range of products

WATER TREATMENT

Klereo KALYPSO

Automated water treatment: pH and disinfectant

GLOBAL AUTOMATED MONITORING

Klereo KOMPACT MASTER

Global automated monitoring - for new built pool

Klereo KOMPACT MINI

Global automated monitoring - for existing pool

Klereo DOMO

Automated management to be adapted to an existing water treatment system

FILTERING

Klereo FLO

For silent and sustainable filtration

Klereo VALVE

Automated filter cleaning

HEATING

Klereo THERM

Swimming pool heating

PUBLIC POOLS AND SPAS

Klereo OLYMPIC

Automation kit for public swimming pool

Klereo SPAS

Global automation adapted to spas

Klereo EXPLORER

Supervision system

WATER TREATMENT

POOL INNOVATION

KLEREO HYBRID SYSTEM

Klereo M9 Hybrid salt chlorinator is a patented system combining salt chlorination
and automatic injection of liquid chlorine (when salt chlorination is not efficient enough).
In order to avoid over chlorination, the production of chlorine or the injection of liquid chlorine is regulated by
an ORP or an amperometric probe which measures the free chlorine level in the pool.

Benefits:

- Reliable chlorination at water temperature below 15 °C
- Guaranteed water quality even in extremely hot and sunny areas
- Regulation of chlorine even in confined spaces (swimming pools under enclosures)

You can use one or the other water treatment (chlorination or injection of liquid chlorin)
to increase life time of the chlorinator cell or to ensure operation at any season.

**EXCLUSIVE
PATENTED SYSTEM
KLEREO**

LOW SALT KLEREO HYBRID SALT CHLORINATOR

For corrosion-sensitive pools (steel pools, pools equipped with stainless-steel spotlights or sealing parts),
Klereo offers a salt chlorinator working at 2g/l concentration rate of salt in the water instead of the usual rate
of 4 to 5g/l.

It allows savings of salt quantity without impact
on the water quality of your pool. The system
automatically adjusts chlorine production
depending on weather conditions.

Benefits:

- Suitable for pools sensitive to corrosion
- Savings of salt
- Optimized water quality

Klereo KALYPSO

TO REGULATE WATER TREATMENT

Klereo KALYPSO ensures water pH and disinfection regulation using reliable probes and efficient electronics. Maintaining the correct pH level is necessary to achieve total effectiveness of the disinfectant. It's the ideal balance to guarantee water quality and to save chemicals.

WARRANTY
2+1 years
IF CONNECTED

2 automated function

Klereo KALYPSO Water Treatment Kit includes:

✓ 1 electronic central unit
✓ 2 dosing pumps 1.5 l/h

✓ 1 pH probe
✓ 1 ORP sensor

✓ 1 water temperature sensor*
✓ disinfection accessories

*Low Salt version only.

No more doubt on water quality of your pool!

PEACE OF MIND: Even during your vacations, the Klereo Kalypso water treatment kit maintains the right balance of the pool water.

SUSTAINABLE: Thanks to the automation of water treatment, you spend less chemicals and you save water resources.

Designed to adapt to both under construction and existing pools.

Klereo
KALYPSO

Designation	Reference
Klereo Kalypso Liquid Chlorine	KL51-KPH-CL
Klereo Kalypso Bromine	KL51-KPH-BR
Klereo Kalypso Low salt Hybrid 75 m3 - 2g / l of salt	KL51-KPH-LS15
Klereo Kalypso Low salt Hybrid 100 m3 - 2g / l of salt	KL51-KPH-LS20
Klereo Kalypso Low salt Hybrid 130 m3 - 2g / l of salt	KL51-KPH-LS25

Options

Designation	Reference
Klereo Connect – Internet Connection Kit	KL60-C2
Empty tank detection pH or disinfectant	KLPR-D1
Free chlorine regulation kit	KL20-CLO1*
Adaptation of private pools >130 m^3	KL20-PP50

GLOBAL AUTOMATED MONITORING

How to choose **Klereo** automation kit between
the **Kompact Master/Kompact Mini** range of products

1 **Renovation or new built pool**
If the Klereo central unit is installed on an existing pool, you can choose the klereo Kompact mini range of products, which will be connected to the existing electrical box. If your pool is under construction, choose the Kompact master product line that has an integrated electrical box.

2 **Functions**
Klereo's product lines allow you to automate various functions such as filtration, pH,disinfectant, lighting, heating, blower, etc.
M5 range of products: up to 5 automated functions;
M9 range of products: up to 9 automated functions.
Warning: range of product also depend on the disinfection kind (see below).

3 **The choice of the disinfection kind**
For each range of product, you can choose the disinfection kind that suits you.
Kompact Mini : liquid chlorine, bromine or active oxygen;
Kompact Master : liquid chlorine, bromine, active oxygen or hybrid salt chlorinator.

4 **The options**
Klereo offers different connection options to allow you to control your pool. You can also choose options such as frost-free function and empty tank detection.

For new built pool
klereo KOMPACT MASTER

Kompact Master **M5**

Valid for Active Oxygen, Liquid Chlorine or Bromine disinfection.

5 automated functions.

✓ **Filtration**
✓ **pH**
✓ **Désinfectant**
✓ **Chauffage**
✓ **Eclairage ou autre fonction auxiliaire**

Kompact Master **M9**

Valid for Active Oxygen, Liquid Chlorine, Bromine or hybrid salt chlorinator disinfection.

9 automated functions to choose from

✓ **Filtration**	✓ **Robot nettoyage**
✓ **pH**	✓ **Blower**
✓ **Désinfectant**	✓ **Nage à**
✓ **Eclairage**	**contre courant**
✓ **Chauffage**	✓ **Jets d'eau**

For existing pool
klereo KOMPACT MINI

Kompact Mini **M5**

Connected to the existing electrical box.

Valid for Active Oxygen, Liquid Chlorine or Bromine disinfection.

5 automated functions

✓ **Filtration**
✓ **pH**
✓ **Désinfectant**
✓ **Chauffage**
✓ **Eclairage ou autre fonction auxiliaire**

Kompact Mini **M9**

Connected to the existing electrical box.

Valid for Active Oxygen, Liquid Chlorine, Bromine or hybrid salt chlorinator disinfection.
9 automated functions to choose from

✓ **Filtration**	✓ **Robot nettoyage**
✓ **pH**	✓ **Blower**
✓ **Désinfectant**	✓ **Nage à**
✓ **Eclairage**	**contre courant**
✓ **Chauffage**	✓ **Jets d'eau**

Klereo KOMPACT MASTER

FOR NEW BUILT POOL
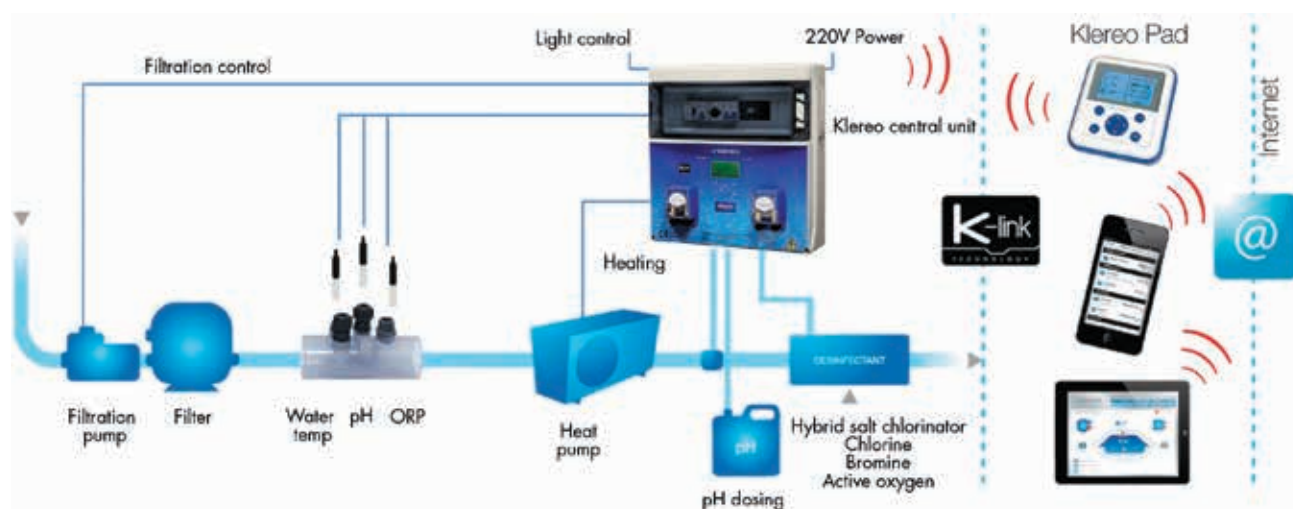

WARRANTY
2+1 years
IF CONNECTED

The KOMPACT MASTER kit includes:

- ✓ 1 electronic central unit
- ✓ 1 electrical box
- ✓ 100 VA Light transformer
- ✓ 2 dosing pumps 1.5l/h
- ✓ 1 water temperature sensor
- ✓ 1 pH sensor
- ✓ 1 flow switch sensor
- ✓ Chemicals accessories

Dosing of active oxygen is regulated by water temperature sensor and liquid chlorine, Bromine and hybrid salt chlorinator is regulated by ORP sensor included in the Kompact Master Kit.

Operation diagram of the Kompact Master

Our products are designed engineered and made in France

Klereo **KOMPACT MASTER** has **2 lines of products** allowing you to automate different functions such as filtration, pH, chemicals, lighting, heating, blower, etc.

Klereo **Kompact Master M5**

5 automated functions

Designation	Reference
Klereo Kompact Master M5 Active Oxygen	KL55-KPH-Y*-OX
Klereo Kompact Master M5 Liquid chlorine	KL55-KPH-Y*-CL
Klereo Kompact Master M5 Bromine	KL55-KPH-Y*-BR

Klereo **Kompact Master M9**

9 automated functions

Designation	Reference
Klereo Kompact Master M9 Active Oxygen	KL56-KPH-Y*-OX
Klereo Kompact Master M9 Liquid chlorine	KL56-KPH-Y*-CL
Klereo Kompact Master M9 Bromine	KL56-KPH-Y*-BR
Klereo Kompact Master M9 Hybrid salt 75 m³ - 5g/l de sel	KL56-KPH-Y*-S15
Klereo Kompact Master M9 Hybrid salt 100 m³ - 5g/l de sel	KL56-KPH-Y*-S20
Klereo Kompact Master M9 Hybrid salt 130 m³ - 5g/l de sel	KL56-KPH-Y*-S25
Klereo Kompact Master M9 Low salt Hybrid salt 75 m³ - 2g/l of salt	KL56-KPH-Y*-LS15
Klereo Kompact Master M9 Low salt Hybrid salt 100 m³ - 2g/l of salt	KL56-KPH-Y*-LS20
Klereo Kompact Master M9 Low salt Hybrid salt 130 m³ - 2g/l of salt	KL56-KPH-Y*-LS25

Hybrid salt

LOW SALT

Options

Category	Designation	Reference M5	Reference M9
Connection	Klereo Connect – Internet connection kit	KL60-C2	KL60-C2
	Klereo Pad – Remote Display Kit	KL20-AF1	KL21-AF1
Sensors	Empty tank detection pH or disinfectant	KLPR-D1	KLPR-D1
	Frost-free function – air temperature	KL10-TA	KL10-TA
	Pressure sensor	NA**	KLPR-CP5
	Water meter	NA**	KL20-DB1
	Free Chlorine regulation Kit	NA**	KL20-CLO1
Electric box	Single Phase additional pump protection	NA**	KL20-SP-Y*
	Three-phase filtration option M9	NA**	KL20-TRI-Y*
	Three Phase additional pump protection	NA**	KL20-SPTRI-Y*
Other	Dosing pumps for pool size >130 m³	KL20-PP50	KL20-PP50

* Kompact Master exists in single phase or three phases. Y is the reference related to the size of the magnetothermal circuit breaker of the filtration pump
  Y = 10 for 6.3 / 10 A; Y = 06 for 4 / 6.3 A; Y = 04 for 2.5 / 4 A4
** Not applicable.

Automated functions

Filtration pH Disinfectant Lighting Heating Pool cleaner Blower Counter current unit Water Jets
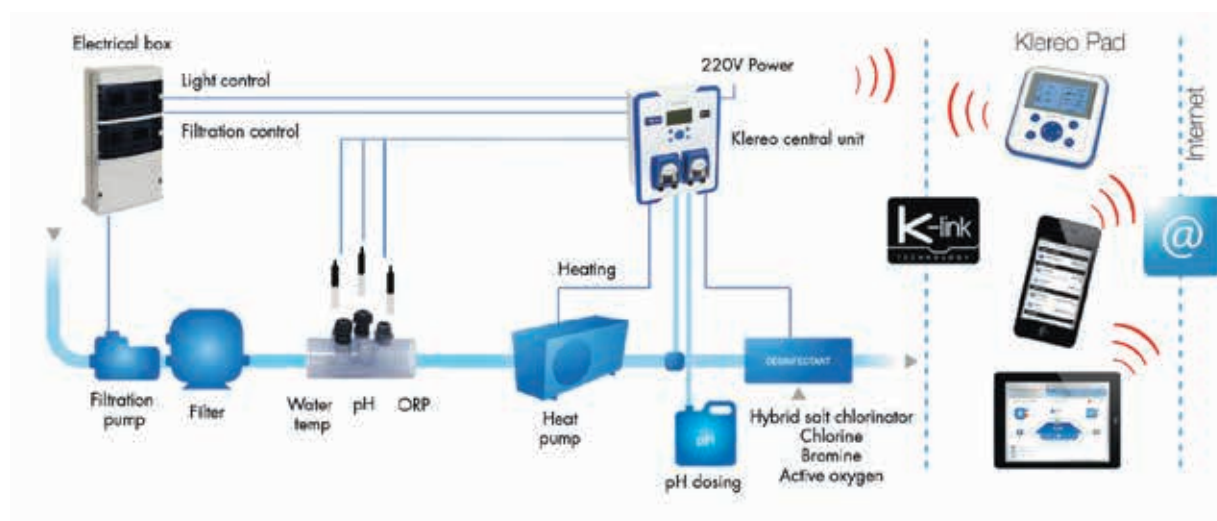
Klereo **KOMPACT MINI**

FOR EXISTING POOL

WARRANTY
2+1 years
IF CONNECTED

The Klereo **KOMPACT MINI** **kit includes:**

✓ 1 electronic central unit
✓ 2 dosing pumps 1.5l/h

✓ 1 water temperature sensor*
✓ 1 pH sensor

✓ 1 flow switch sensor*
✓ Chemicals accessories

The dosage of the disinfectant is regulated by the water temperature probe in the case of active oxygen or by ORP sensor, included in the Klereo Kompact Mini kit, for Liquid Chlorine, Brome and salt chlorinator.

Operation diagram of the Kompact Mini

Our products are designed engineered and made in France

Klereo **KOMPACT MINI** has **2 product lines** allowing you to automate different functions such as filtration, pH, disinfectant, lighting, heating, blower, etc.

Klereo Kompact Mini M5

5 automated functions

Designation	Reference
Klereo Kompact Mini M5 Active Oxygen	KL53-KPH-OX
Klereo Kompact Mini M5 Liquid chlorine	KL53-KPH-CL
Klereo Kompact Mini M5 Bromine	KL53-KPH-BR

Klereo Kompact Mini M9

9 automated functions

Hybrid salt

LOW SALT

Designation	Reference
Klereo Kompact Mini M9 Active Oxygen	KL54-KPH-OX
Klereo Kompact Mini M9 Liquid chlorine	KL54-KPH-CL
Klereo Kompact Mini M9 Bromine	KL54-KPH-BR
Klereo Kompact Mini M9 Hybrid salt 75 m^3 - 5g/l de sel	KL54-KPH-S15
Klereo Kompact Mini M9 Hybrid salt 100 m^3 - 5g/l de sel	KL54-KPH-S20
Klereo Kompact Mini M9 Hybrid salt 130 m^3 - 5g/l de sel	KL54-KPH-S25
Klereo Kompact Mini M9 Low salt Hybrid salt 75 m^3 - 2g/l de sel	KL54-KPH-LS15
Klereo Kompact Mini M9 Low salt Hybrid salt 100 m^3 - 2g/l de sel	KL54-KPH-LS20
Klereo Kompact Mini M9 Low salt Hybrid salt 130 m^3 - 2g/l de sel	KL54-KPH-LS25

Options

Category	Designation	Ref. M5	Ref. M9
Connection	Klereo Connect – Internet connection kit	KL60-C2	KL60-C2
	Klereo Pad – Remote Display Kit	KL20-AF1	KL21-AF1
Capteurs	Empty tank detection pH or disinfectant	KLPR-D1	KLPR-D1
	Frost-free function – air temperature	KL10-TA	KL10-TA
	Pressure sensor	NA*	KLPR-CP5
	Water meter	NA*	KL20-DB1
	Free Chlorine regulation Kit	NA*	KL20-CLO1
Other	Dosing pumps for pool size >130 m^3	KL20-PP50	KL20-PP50

* Not applicable.

Automated functions

Filtration · pH · Disinfectant · Lighting · Heating · Pool cleaner · Blower · Counter current unit · Water Jets

Klereo DOMO

You already have a water treatment system? Klereo Domo can be adapted to your existing equipment and thus allows you to automate all functions of your pool: filtration, heating, lighting, cleaning, etc.

• connected to the existing electrical box
• an internet connection to consult and remotely control the functions of your pool
• permanent diagnosis and record of events in case of maintenance

The Domo Automation Kit includes:

1 electronic control unit 5 outputs
1 water temperature sensor
1 flow-switch sensor

WARRANTY
2+1 years
IF CONNECTED

Designation	Reference
Klereo Domo automation kit	KL31-D3

Options

Designation	Reference
pH regulation kit 1.5 l/h with empty tank sensor	KL20-PH
Chlorine regulation kit 1.5 l/h with empty tank sensor	KL20-CL
Bromine regulation Kit	KL20-BR
Klereo Connect – Internet Connection Kit	KL60-C2
Klereo Pad – Remote Display Kit M5	KL20-AF1
Frost protection function – air temperature	KL10-TA

FILTERING

Klereo FLŌ

FOR SILENT AND SUSTAINABLE FILTRATION

The Klereo Flo variable speed pump ensures water filtration while saving energy.

With Klereo Flo, you can program the filtration flow according to the needs of the pool:

- Low speed : 24 hours a day for a better water quality
- Medium speed for heating, treatment water or when the cleaning robot is activated
- Maximum speed for filter backwash, skimming or overflow function

›› At low filtration speed, the reduction of pump consumption can reach 80%.

INVERSilence Tech

InverSILENCE Technology
40dB(A) at 1m and
20dB(A) in filtration mode

Digital display
& touchscreen
Reliable and use friendly

When connected, the pump
can be remotely controlled
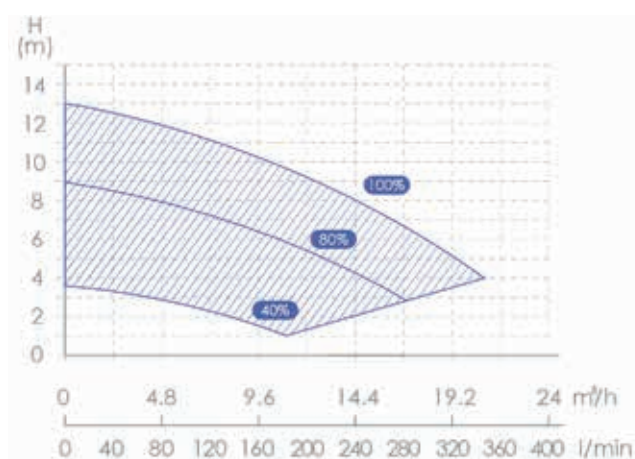from a smartphone, a tablet

Ultra-Silent

Equipped with the Inverter INVERSilence technology, the pump Klereo Flo offers unequalled acoustic comfort.
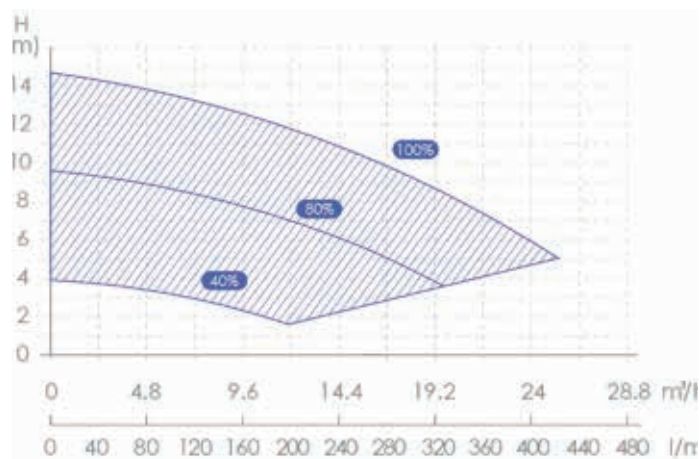
Performance

Better water quality thanks to a 24-hour filtration at low speed. Consumption reduced by 80%. automatic speeds monitoring according to the needs of the pool, when the pump is installed with a Klereo Kompact M9 system. Remote control on smartphone, tablet and PC.

Tactile and intuitive interface

Advanced touchscreen display. Easy to monitor speeds of the pump or to program filtration ranges.

WARRANTY
2+1 years
IF CONNECTED

KL71-KFL10

KL71-KFL15

References	P1/CV*	Recommended volume	Max flow rate m3/h**	Sound level at 1m dB(A)	Sound level at 10m dB(A)
KL71-KFL10	1	40 ~ 55	14.5	38.9 ~ 51.3	18.9 ~ 31.3
KL71-KFL15	1.5	50 ~ 80	20.5	40.5 ~ 53.6	20.5 ~ 33.6

*Power P1 absorbed in Single Phase
**Maximum flow rate at 8 m water column

Klereo VALVE

FOR A FULL AUTOMATIC FILTRATION

Klereo Valve wash automatically sand filters and removes impurities to ensure the quality of water.

The advantages of Klereo Valve:

- Clear and pure water,
- The comfort of an automated system,
- Simple to install and to use. Possibility to rotate the connections by 90 °.
- No need to stop filtration during washings,
- Maximum safety, when the power is off, the valve automatically switches to the filtration position (Mechanical move of a spring) and the swimming pool cannot be empty because of the valve malfunction,
- Less pressure drop due to the valve: higher washing speed and more efficient backwashing.

›› Available in diameter 50 or 63 mm (for larger diameters, please consult us).

The kit includes:

1 automatic 5-way valve
1 compressor 3.5 to 4.5 bar
1 compressor connection kit

WARRANTY 2+1 years
IF CONNECTED

FILTERING

5-way valve 50 mm diameter 230V 20 m³/h	
Distance between filter outputs	**Référence**
125 mm (Astral, Behncke, Fiberplast)	KL20-BG125
140 mm (Kripsol)	KL20-BG140
152 mm (Hayward)	KL20-BG152
190 mm (Triton)	KL20-BG190
204 mm (Lacron)	KL20-BG204
230 mm (Astral)	KL20-BG230

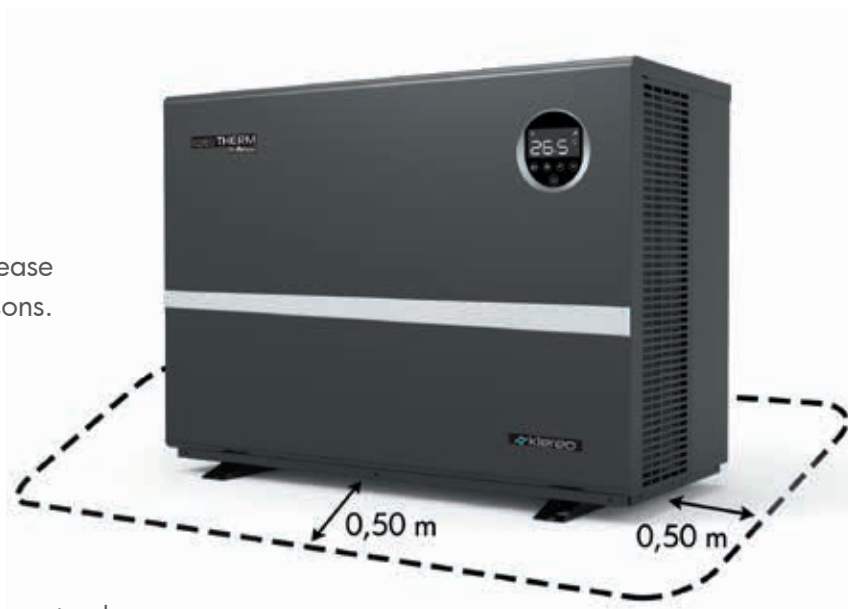| 5-way valve 63 mm diameter 230V 30 m³/h	
Distance between filter outputs	**Référence**
140 mm (Kripsol, Behncke)	KL21-BG140
152 mm (Hayward)	KL21-BG152
190 mm (Triton, Platinum, Fiberplast)	KL21-BG190
215 mm (Lacron)	KL21-BG215
220 mm (Fiberplast)	KL21-BG220
230 mm (Astral)	KL21-BG230

HEATING

Klereo **THERM**

SWIMMING POOL HEATING

Silence, elegance and performance

The Klereo **THERM** heat pump increase temperature of your swimming pool, in all seasons.

(suitable for all pools operates from -10°C to +43°C outside temperature

- + 40% performance thanks to the innovative twisted titanium exchanger

- EEV technology: Electronic Expansion Valve which increases the COP coefficient of performance by 20%

- Ultra silent thanks to the Mitsubishi DC inverter compressor and fan brushless motor (equivalent to noise of a fridge)

- Elegant and discreet with a reduced clearance zone (50 cm all around)

- Sustainable thanks to the use of R32 natural gas (68% less environment impact compared to R410A)

- 4 way valve for quick & efficient defrosting.

- Connected, it communicates with Klereo automation systems. Internet Remote possible in case of failure.

- Winter cover and anti-vibration fixation provided. Connectors diameter 50 mm

Digital display
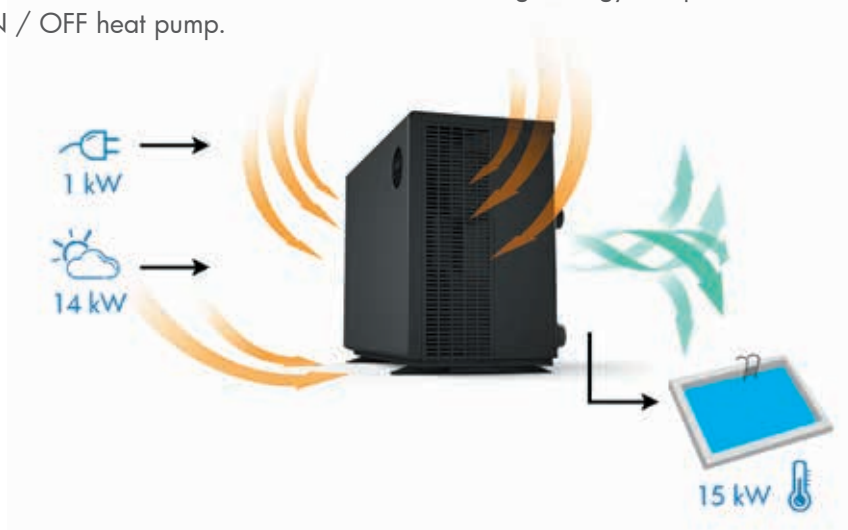& touchscreen
Reliable and use friendly

Silence: 12dB (A) less
that a On / Off
traditional heat pump

Connected, the heat pump
can be controlled remotely
from a smartphone, tablet or
a computer

Performance with a COP up to 15

Reversible and self-defrosting heat pump, Klereo THERM offers high performance. For 1 kW of electricity consumed, the heat pump produces up to 15 kW to heat the pool water. It thus achieve more than 50% savings energy compared to a standard ON / OFF heat pump.

More sustainable

WARRANTY
3+1 years
IF CONNECTED

Designation	Capacity kW (1)	Capacity kW (2)	Reference
Klereo THERM for pool size 15-30 m³	7.0	5.0	KL70-KTH7
Klereo THERM for pool size 20-45 m³	9.0	6.6	KL70-KTH9
Klereo THERM for pool size 30-55 m³	11.0	7.7	KL70-KTH11
Klereo THERM for pool size 35-65 m³	13.0	9.0	KL70-KTH13
Klereo THERM for pool size 40-80 m³	17.5	12.5	KL70-KTH17
Klereo THERM for pool size 50-95 m³	21.0	14.5	KL70-KTH21
Klereo THERM for pool size 60-120 m³	28.0	19.0	KL70-KTH28-TRI
Klereo THERM for pool size 85-160 m³	35.2	24.2	KL70-KTH35-TRI

(1) Capacity determined at 27°C air temperature, 27°C water temperature and humidity at 80%.
(2) Capacity determined at 15°C air temperature, 26°C water temperature and humidity at 70%.

Options

Designation	Reference
K-link connection module	KL20-KLI

PUBLIC POOLS & SPAS

Klereo **OLYMPIC**

You want to equip a public pool subjected to high performance requirement: free chlorine regulation is the solution. Injection of liquid chlorine is regulated by an amperometric sensor measuring the free chlorine level of the pool.

- Regulated dosing of pH and liquid chlorine
- An internet connection to consult and control the pool parameters (pH, chlorine, temperature…)
- Permanent diagnostic and history of events in case of maintenance

The Klereo Olympic Automation Kit includes:

1 electronic central unit
2 dosing pumps 1.5 l/h
1 Water temperature sensor
1 pH sensor & 1 ORP sensor
1 flow switch sensor
1 amperometric sensor
1 analysis chamber with integrated flow detection
1 Klereo Connect - Internet Connection Kit
2 empty tank detection for pH and liquid Chlorine

Designation	Reference
Klereo Olympic automated Kit	KL54-KPH-CLO1

OPTIONS

Designation	Reference
Dosing pumps 5l/h	KL20-PP50
Electromagnetic dosing pump 8 l/h at 2 bars	KLPR-PEM 8
Electromagnetic dosing pump 15 l/h at 5 bars	KLPR-PEM 15
Klereo Pad – Remote Display Kit M9	KL21-AF1
Air temperature	KL10-TA
Pressure sensor	KLPR-CP5
Water meter	KL20-DB1

Klereo Olympic exists with a central unit that integrates the electrical box of the pool (contact us).

KLEREO SPAS

Klereo offer a product well adapted to spas using 0.4 l/h dosing pumps

- pH regulation and liquid chlorine disinfection adapted to small volume of water to prevent overdosing
- Regulation of the disinfectant by ORP sensor for private SPA or via an amperometric sensor for public SPA, which continuously measures the free chlorine level
- An internet connection to consult and control the parameters of the SPA (pH, chlorine, temperature…)
- Permanent diagnosis and history of events in case of maintenance

OPTIONS

Designation	Reference
Klereo Connect internet connection kit	KL60-C2
Klereo PAD Remote Display Kit M5	KL20-AF1
Klereo PAD Remote Display Kit M9	KL21-AF1
Empty tank detection for pH and liquid Chlorine	KLPR-D1
Air temperature	KL10-TA

Automation kit Kompact M5 SPA includes:

1 electronic central unit
2 dosing pumps 0,41/h
1 water temperature sensor
1 pH sensor
1 flow switch sensor
1 ORP sensor

Automation kit Kompact M9 SPA includes:

1 electronic central unit
2 chemical metering pumps 0,41/h
1 Water temperature sensor
1 pH sensor & 1 ORP sensor
1 flow switch sensor
1 amperometric sensor
1 analysis chamber with integrated flow detection

Designation	Reference
Kompact M5 automation kit SPA – ORP regulation	KL53-SPA-CL
Kompact M9 automation kit SPA – Free Chlorine regulation	KL54-SPA-CLO1

KLEREO EXPLORER

THE ESSENTIAL TOOL OF POOL PROFESSIONAL

With Klereo Explorer, make a diagnostic before to move to the pool. Get liable data via internet and optimize organization of your pool maintenance activity. Fast installation and easy to use, Klereo Explorer fits to all pool configurations.

The Klereo Explorer sensors is installed on the filtration circuit, after the filter, and thus provide accurate data, more reliable than float systems. The sensors are connected to the multisensor box which transmits the data to the Connect box, and to the internet.
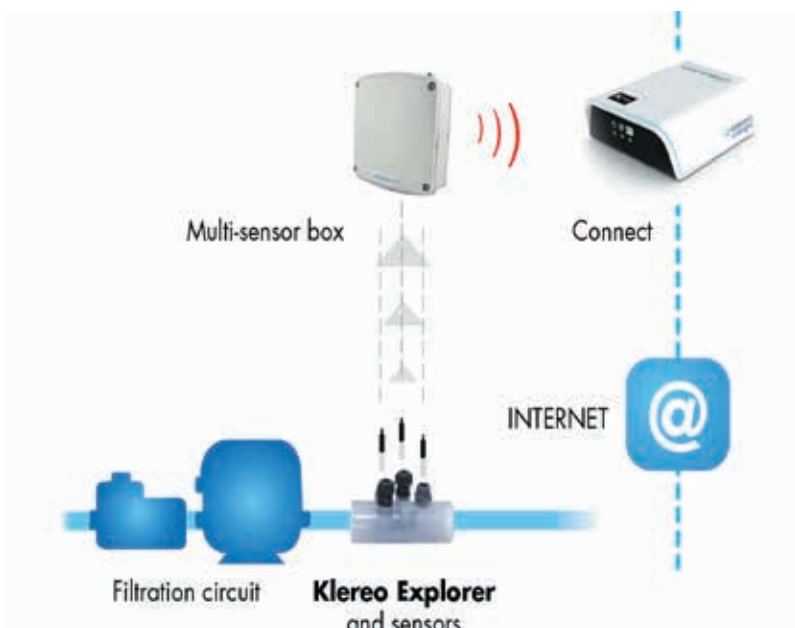

+ accurate data than floaters systems!

Designation	Reference
Klereo Explorer Kit	KL61-EXP1

Improved your customer service

As part of your maintenance contract, **Klereo Explorer allows you to:**

- analyze the pool water via internet
- define the filtration times and quantity of chemicals to be added
- to alert your customer in case of risk of deviation of the water balance
- explore the pool parameters and better understand water treatment and filtration behavior
- to identify a problem: pump, skimmer or prefilter clogged by tree leaves, dirty filter…

Multi-sensor box

Connect

INTERNET @

Filtration circuit **Klereo Explorer** and sensors
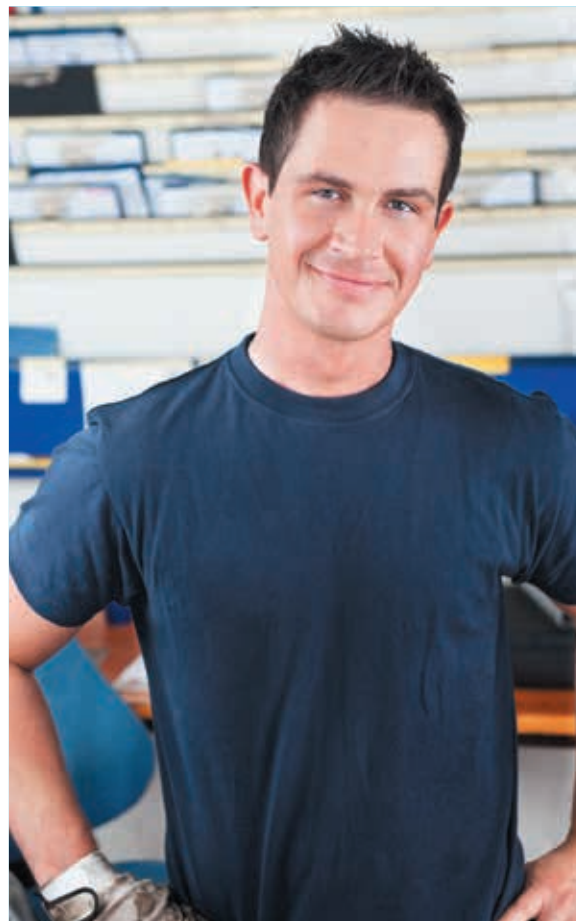
Coaching a new customer

You can install Klereo Explorer, when you build the pool and get data to make sure the filtration works well and that the customer manages correctly dosing of chemicals.

For a new pool owner, Klereo Explorer allows you to initiate him to the operation of his swimming pool easily. It is also the opportunity to demonstrate the benefits of an automated system which simplify pool maintenance.

MAINTENANCE KIT

Essential for the maintenance of Klereo products, this suitcase contains all necessary parts to repair an installed kit, without having to move around again.

Designation	Reference
Maintenance suitcase	KL20-KSAV

The kit includes:

1 pH sensor and 1 Redox sensor
1 temperature sensor
1 flow switch sensor
2 injection valves
3 probe holders

1 wintering kit
1 restart kit
1 usb key
1 insertion tool with screwdriver
1 Teflon roll

1 fuse 8A / 10 fuses 63mA
10 fuses 0.8A

Designation	Reference
Shop advertising support	KL20-TT1

KLEREO MAINTENANCE ACCESSORIES

Designation	Reference
Measuring chamber for 2 probes	KL10-PS2
Probe holder (x5) Klereo with 63-50 reducers	KL20-U563
Probe holder (x5) Klereo complete	KL20-U563CP
Fixation supportof probes Ø 50 mm	KL10-PC50
Fixation support of probes Ø 63 mm	KL10-PC63
Support Tee Ø 50 mm for injection	KL10-TPC50
Support Tee Ø 63 mm for injection	KL10-TPC63
Probes cap Ø 12 mm	KL10-BU12
Empty chemical feeder sensor of 1 m length	KLPR-D3
Pressure sensor kit and T connection	KL20-CP5
Restart Kit for Klereo	KL20-RS2
Probe protections when removed and caps to close probe's holes	KL20-H1

Probe protections

Restart Kit

ELECTRONIC AND ELECTRICAL ACCESSORIES

Designation	Reference
COMMUNICATION ACCESSORIES	
2 powerline CPL	KL60-CPL2
External antenna with 3 m cable	KL10-AD15
Antennacable extension 5m	KLPR-RA10
TRANSFORMER LIGHTING	
Lighting transformer adaptation 300VA (Kompact Master M9 only)	KL20-KIT300
Transformer 600 VA	KL10-T600VA
PROTECTION OF THE INSTALLATION	
Ground connection diam 50 mm	KL10-PT50*
Ground connection diam 63 mm	KL10-PT63*

klereo

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