

Small wastewater treatment plant for 4 - 50 Pe
The universally applicable system

AQUA - SIMPLEXpionier „L“



Quality - Innovation - Reliability

Kordes is your reliable partner for wastewater technical products. The satisfaction of our customers is always our first priority, which is why we only use high-quality and durable components.

In the course of the company's history, now in its third generation, we have continuously optimized our products through innovative ideas, experience and a great attention to detail.

The know-how we have built up is the result of the engineering expertise of our employees and the practical experience of thousands of products supplied, which we subsequently look after for many years as part of maintenance contracts after successful completion of installation.

Active environmental protection with a perspective for the future is certainly one of the greatest challenges of our time. In the field of wastewater technology we contribute to keep our waters clean and to develop solutions for tomorrow.

We will be pleased to accompany you from planning to successful commissioning. An individual drawing especially for your project in 3D view, visualizes the product even before the start of production. Together we will find the ideal solution for your project and we are looking forward to a successful cooperation.

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 **MADE IN GERMANY**
SINCE 1935



SBR small WWTP AQUA-SIMPLEXpionier „L“ as a universally applicable system

Technology of AQUA-SIMPLEXpionier „L“

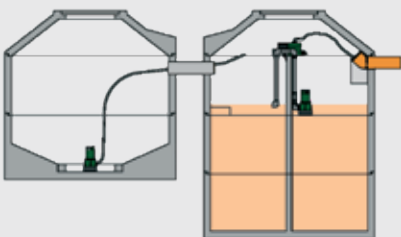


The small wastewater treatment plant AQUA-SIMPLEXpionier „L“ is ideally suited for single and multi-family houses, as well as for the use in cases with load fluctuations and higher demands on the treatment efficiency. The basic plant can be adapted by the respective modules.

P module for phosphate elimination
C-module for load fluctuations



Overload storage
for the handling of peak loads



H-module for disinfection



Treatment performance, function, processes

Treatment in
8-hour cycles,
3 times a day



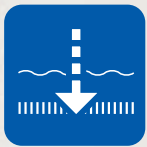
1. filling - Inlet

The wastewater is conveyed from the pre-treatment into the SBR reactor.



2. Aeration

The wastewater is enriched with oxygen from the air by means of a diffuser and circulated. The microorganisms that form as a result, are used to treat the wastewater as activated sludge.



3. Sedimentation

In the sedimentation (settling) phase, the aeration is switched off. The sludge in the plant settles to the bottom. A clear water zone is created in the upper area. This is where the treated wastewater is now located.

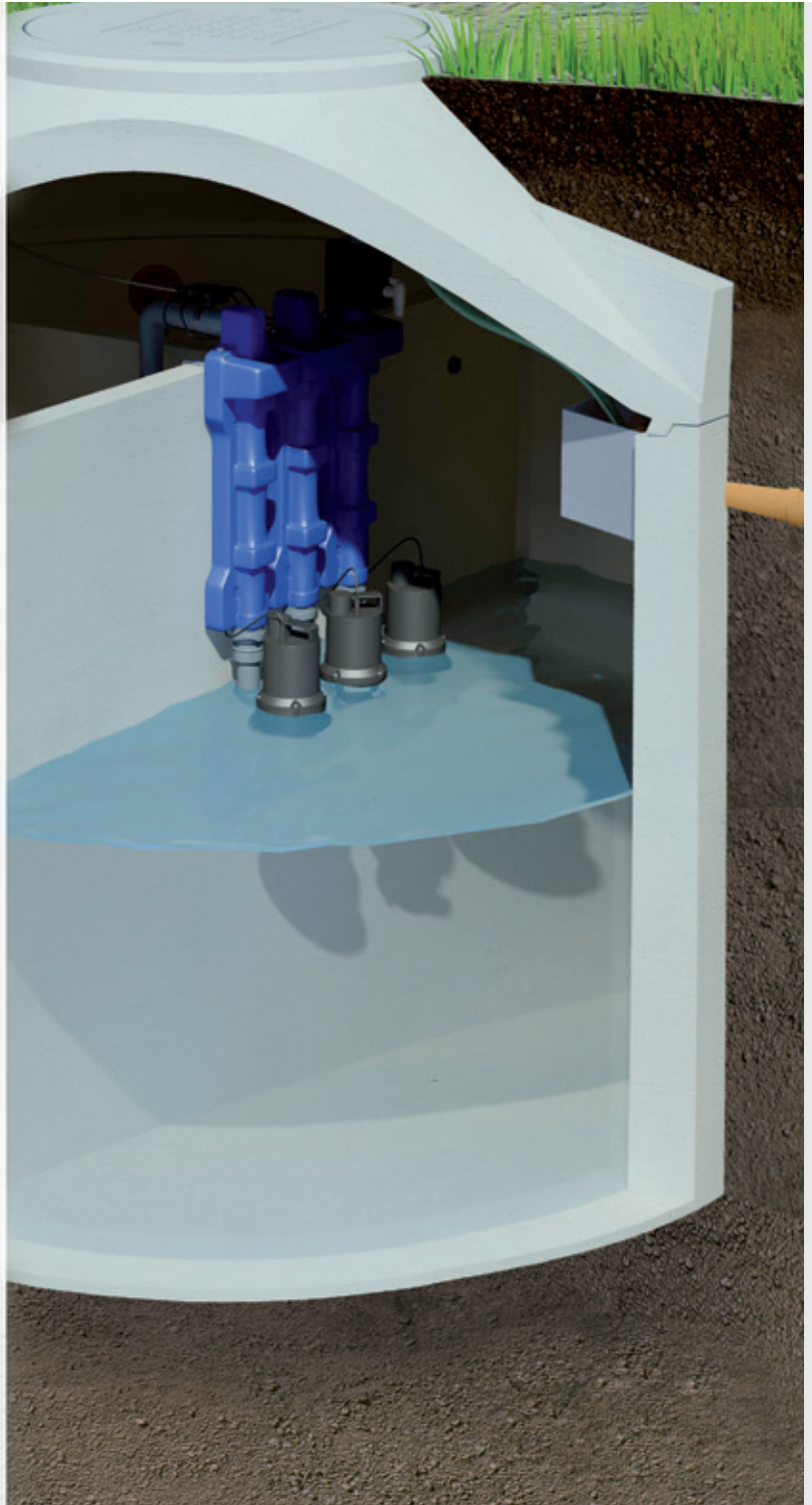


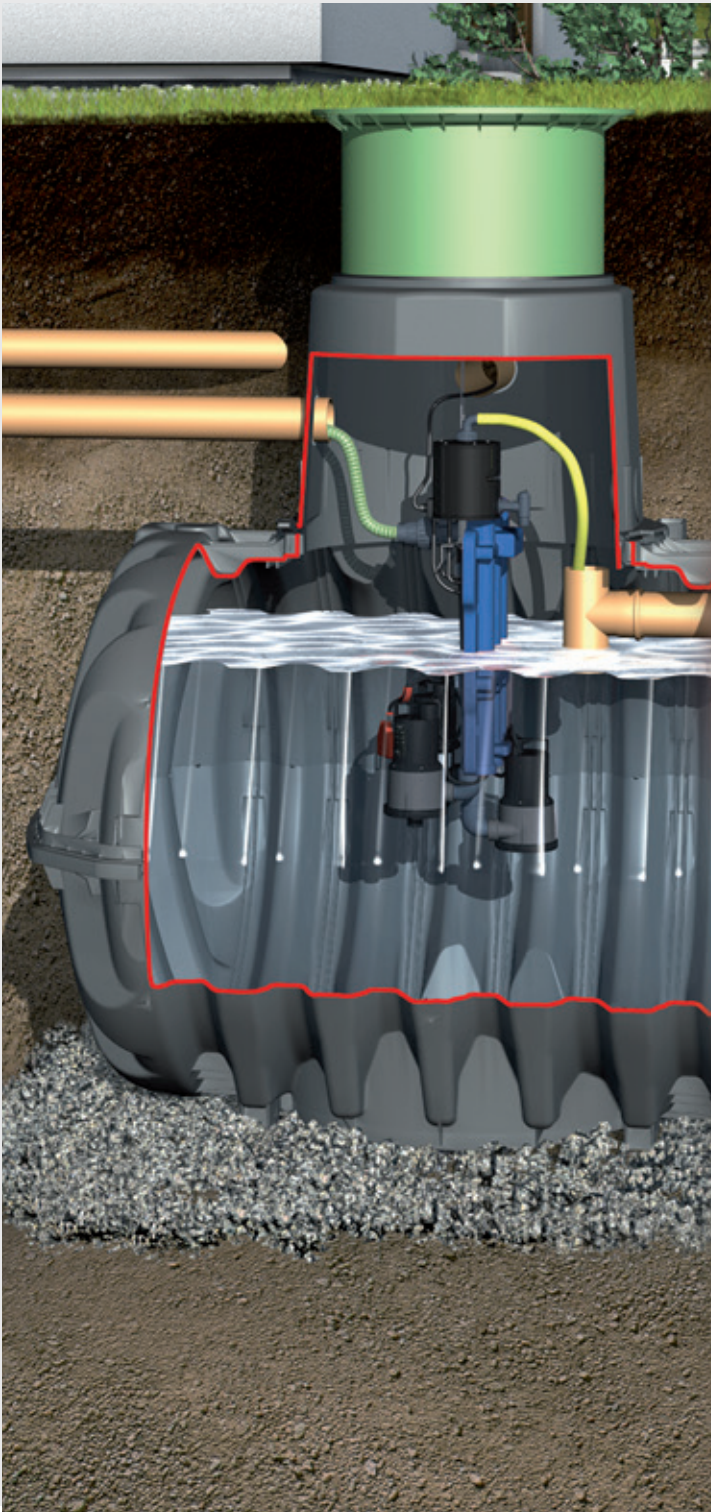
4. Clear wastewater discharge outlet

The treated wastewater is now pumped out of the clear water zone. The new cycle can begin.

The cycles in which the individual phases run are 8 hours, so that 3 cycles take place per day.

The excess sludge produced in the SBR reactor is pumped to the pretreatment chamber and discharged at regular intervals or as required. Due to the lifting effect, the sludge pump simultaneously serves as a feeding pump for the SBR reactor.





We offer:

The right technology for each application and the right container. No matter whether new construction or retrofitting.

The Kordes delivery program offers an extensive product range. All AQUA-SIMPLEX wastewater treatment systems are modularly expandable.

This means that the technology can be adapted to the respective conditions at any time.

Drainage classes:

Kordes holds all approvals.

+C

Minimum requirement with removal of carbon (BOD₅, COD).

+D

Here, nitrogen is biologically degraded by nitrification and denitrification.

+P

The phosphate is precipitated from the wastewater and thus mechanically separated.

+H

Hygienization is achieved by irradiating the wastewater using UV technology.

Information and consultation

If you have any questions about our products and services, you can find all the information at a glance on our website

www.kordes.de.

Of course, our specialists will be glad to assist you personally on site and provide you with comprehensive support in word and deed.

AQUA-SIMPLEXpionier[®]“L” for 4 - 50 Pe

- The universal solution for retrofit and new construction
- Completely ready to plug in
- A compressor brings the necessary volume of oxygen into the SBR reactor
- Sludge discharge lock on the clear wastewater pump
- Sediment-free Sampling container
- Individual attachment of the units for easy installation and quick replacement of spare parts
- Adaptable to any size due to height adjustment of the pumps



in plastic container

... or concrete tank



Sludge pump

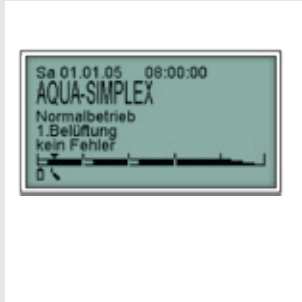
Clear water pump

Disc diffuser

Technical details



Control unit



Display



SBR technology



Retaining bracket



Backflow protection (optional)



Ready to plug in



Compressor (4 - 28 Pe)

Side channel compressor
(32 - 50 Pe)

Sampling container



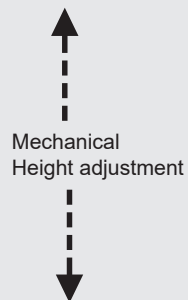
Float switch



Sludge discharge barrier



Sampler (optional)

Mechanical
Height adjustment

Flexible system

Elegant and reliable, AQUA-SIMPLEXpionier can be adapted to the changing number of inhabitants in just a few steps!

Variants

4-16 Pe
Single container - partition suspension
Model-Nr.: 095-008



4-16 Pe
Two-container - partition suspension
Model-Nr.: 095-018



4-16 Pe
Two container chain suspension
Model-Nr.: 095-028



20-28 Pe
Two-container - partition suspension
Model-Nr.: 095-038



20-28 Pe
Two container chain suspension
Model-Nr.: 095-048



32-50 Pe
Two-container partition suspension
Model-Nr.: 095-059



32-50 Pe
Two container chain suspension
Model-Nr.: 095-069



The small WWTP for variable use from a single family house to a small residential area

■ New plant

Supplied in concrete (ring or compact construction) or plastic tank

■ Retrofit

By customizable treatment technology through telescopic pumps, so that a structural volume change of the tank is no longer necessary!

■ Treatment process

see functional description on page 4

■ Pump-Air-Technology

The SBR reactor contains the treatment technology attached to the partition wall. Consisting of feeder and clear water pump. The aeration takes place via compressed air operation. Due to the individual suspension combined with the plug-in ready design, assembly, repair and maintenance can be carried out quickly and at low cost!

■ Load fluctuations

With AQUA-SIMPLEXpionier „L“ the daily load fluctuations can be effectively absorbed. If a permanent underload occurs, the treatment plant can be adjusted to the appropriate number of inhabitants due to the mechanical height adjustability. Thus, the system works flexibly in different load situations.

■ Water level measurement

The water level is measured by a floating device. This regulates the wastewater treatment plant for normal, economy and vacation mode.

■ Dynamic aeration

The dynamic aeration takes place according to demand. Here, energy savings of up to 30% can be achieved compared to conventional SBR treatment plants.

■ Energy demand

Demand for 4 Pe: 221 Kwh/year
Demand for 8 Pe: 344 Kwh/year
Demand for 12 Pe: 430 Kwh/year
Demand for 16 Pe: 475 Kwh/year

The consumption corresponds to the parameter setting of the operating manual.

■ Expandability of the treatment plant

- UV- disinfection with H-module
- Phosphate elimination with P-module
- Carbon dosing with C-module
- Remote data transmission for error messages via SMS
- Backflow protection prevents flooding of the wastewater treatment plant
- Overload storage to compensate for peak loads

■ Completely ready to plug in

The control and the individual units are connected with plugs. This makes it possible to replace spare parts quickly and inexpensively without a service technician.

■ Long-term observation

The wastewater aerator has an operating time of approx. 12,000 hours.

Demand for 4 Pe: 614 Kwh/Jahr
Demand for 8 Pe: 986 Kwh/Jahr
Demand for 12 Pe: 1.232 Kwh/Jahr
Demand for 16 Pe: 1.343 Kwh/Jahr

■ Control unit

In addition to the process control of the wastewater treatment plant, operating hours and error messages are also stored. All operating data are clearly displayed via the full text display. The plug-in control unit also includes a serial interface (RS232) for PC connection. The standard cable length is 15 m. Optionally 25 m or 35m.

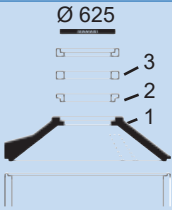
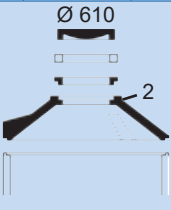
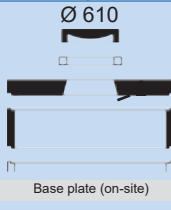

■ Maintenance

2 x year

Container

Type	Pe.	Article No.	Weight [kg]		Installation dimensions [m]				Volume [m³]	Water depth [m]	BIO-FUG bucket
			Total	Heaviest part	Inner diameter Length/ Width	Installation depth	Inlet depth	Outlet depth			
Single tank - ring type concrete											
ASBR 04/2000 EB	4	K4411	5.420	2.660	2,00	2,15	0,75	0,85	3,8	1,20	2
ASBR 06/2000 EB	6/8	K4412	6.920	2.660	2,00	2,90	0,75	0,85	6,1	1,95	3
ASBR 08/2500 EB	8	K4461	8.000	3.520	2,50	2,35	0,82	0,92	6,6	1,33	3
ASBR 12/2500 EB	12	K4463	9.660	3.520	2,50	2,95	0,82	0,92	9,5	1,93	5
ASBR 16/2500 EB	16	K4465	11.320	3.520	2,50	3,35	0,82	0,92	11,5	2,33	6
Two-tank - ring type concrete											
ASBR 12/2000 ZB	12	K4468	12.120	2.660	2,00	2,65	0,75	0,85	11,0	1,70	5
ASBR 16/2000 ZB	16	K4470	12.420	2.660	2,00	2,90	0,75	0,85	12,6	1,95	8
ASBR 16/2500 ZB	16/20	K4471	14.840	3.520	2,50	2,35	0,82	0,92	13,6	1,33	5
ASBR 24/2500 ZB	24	K4472	16.280	3.520	2,50	2,70	0,82	0,92	17,0	1,68	8
ASBR 28/2500 ZB	28	K4473	17.720	3.520	2,50	2,95	0,82	0,92	19,5	1,93	8
ASBR 32/2500 ZB	32	K4475	19.560	3.520	2,50	3,35	0,82	0,92	23,4	2,33	8
ASBR 36/2500 ZB	36	K4477	20.500	3.520	2,50	3,55	0,82	0,92	25,4	2,53	10
ASBR 40/2500 ZB	40	K4479	22.440	3.520	2,50	3,95	0,82	0,92	29,3	2,93	10
Triple tank - ring type concrete											
ASBR 44/2500 DB	44	K4486	26.190	2.830	2,50	3,35	0,82	0,92	35,6	2,33	12
ASBR 50/2500 DB	50	K4487	27.420	2.830	2,50	3,55	0,82	0,92	38,5	2,53	15
Single tank - compact concrete											
ASBK 04/2000 EB	4	K4610	6.260	5.000	2,00	2,21	0,80	0,90	3,6	1,16	1
ASBK 06/2000 EB	6/8	K4612	8.080	6.820	2,00	3,01	0,80	0,90	6,1	1,96	1
ASBK 08/2500 EB	8	K4617	8.060	6.310	2,50	2,40	0,82	0,92	6,5	1,33	1
ASBK 12/2500 EB	12	K4620	10.630	8.880	2,50	3,06	0,82	0,92	9,8	1,99	1
Two-tank - compact concrete											
ASBK 16/2000 ZB	16	K4622	14.960	6.820	2,00	3,01	0,80	0,90	12,6	1,96	2
ASBK 16/2500 ZB	16/20	K4625	15.660	6.310	2,50	2,40	0,82	0,92	13,6	1,33	2
ASBK 28/2500 ZB	24/28	K4630	19.770	8.880	2,50	3,06	0,82	0,92	20,0	1,99	2
Triple tank - compact concrete											
ASBK 32/2500 DB	32	K4640	24.810	6.720	2,50	2,60	0,82	0,92	23,8	1,53	3
ASBK 36/2500 DB	36/40	K4645	27.720	7.690	2,50	3,06	0,82	0,92	30,6	1,99	3
Single plastic tank											
ASBP 04/3700 EB	4	K5110	153	153	2,40 / 1,47	2,05	0,80	0,80	2,95	1,25	-
ASBP 06/4900 EB	6	K5113	185	185	2,50 / 1,70	2,38	0,80	0,80	4,30	1,57	-
ASBP 08/6500 EB	8	K5115	235	235	3,50 / 1,70	2,38	0,80	0,80	6,00	1,57	-
Two plastic tank											
ASBP 12/4900 ZB	12	K5220	324	162	2,50 / 1,70	2,38	0,80	0,80	4,30	1,57	-
ASBP 16/6500 ZB	16	K5225	424	212	3,50 / 1,70	2,38	0,80	0,80	6,00	1,57	-
Maße [m] und [kg] je Behälter						can be extended up to 0.25 m					
Single plastic tank											
ASBP 16/12000 EB	16	K5125	407	407	3,76 / 2,35	2,31	0,23	0,27	12,0	2,08	-
ASBP 28/20000 EB	28	K5130	815	815	6,28 / 2,35	2,31	0,23	0,27	20,0	2,08	-
ASBP 40/30000 EB	40	K5135	1.084	1.084	8,80 / 2,35	2,31	0,23	0,27	30,0	2,08	-
ASBP 50/40000 EB	50	K5140	1.554	1.554	11,32 / 2,35	2,31	0,27	0,31	40,0	2,04	-

Concrete parts accessories

Class A 15 Walkable max. 1,5 t	Class B 125 car driveable max. 4 t wheel load			Class D 400 truck passable max. 12,5 t wheel load			car driveable max. 600 kg wheel load
possible for concrete tank							possible for plastic tank
Series: <input type="text"/> Accessory: <input type="text"/>	Ø	Construction dimension to class A [m]	Article No.	Ø	Mounting dimension to class A [m]	Article No.	Article No.
	2,00	+0,175	099-MP-0021	2,00	+0,28	099-MP-0041	099-MP-0028
	2,50	+0,175	099-MP-0022	2,50	+0,33	099-MP-0042	
							
	Article No.	Total weight [kg]	Inside diameter [m]	Height [m]	Volume [m³]		
Cover Ø 625 Cl. A	S0011	50	-	-	-		
Cover Ø 625 Cl. A with aeration	S0012	48	-	-	-		
concrete casting cover Cl. B	S0111	110	-	0,125	-		
concrete cast cover Cl. B with aeration	S0112	108	-	0,125	-		
Concrete cast cover Cl. D	S0113	160	-	0,16	-		
Concrete cast cover Cl. D with aeration	S0114	158	-	0,16	-		
Strainer galv. for Cl. B and D with aeration	S0077	8	-	-	-		
1) Compensation ring Ø 625/50 -U-	S0053	40	-	0,05	-		
2) Compensation ring Ø 625/100 -N-	S0052	55	-	0,10	-		
3) Compensation ring Ø 625/100 -O-	S0051	40	-	0,10	-		
4) Compensation ring Ø 1000/500	S1021	370	-	0,50	-		
Cone Ø 2.000/550 mm A-B	S0580	1.210	2,00	0,55	-		
Cone Ø 2.000/550 mm A-B With inlet	R0567	1.210	2,00	0,55	-		
Cone Ø 2.500/600 mm A-B	S0588	1.700	2,50	0,60	-		
Cone Ø 2.500/600 mm A-B With inlet	R0568	1.700	2,50	0,60	-		
flat cover Ø 2.000/120 mm A-B	S0531	1.220	2,00	0,12	-		
flat cover Ø 2.000/170 mm A-D	S0532	1.590	2,00	0,17	-		
flat cover Ø 2.500/120 mm A-B	S0551	1.920	2,50	0,12	-		
flat cover Ø 2.500/170 mm A-D	S0552	2.480	2,50	0,17	-		
Ring element Ø 2.000/500 mm	S1041	725	2,00	0,50	1,57		
Ring element Ø 2.000/750 mm	S1047	1.090	2,00	0,75	2,36		
Ring element Ø 2.500/600 mm	S1111	1.220	2,50	0,60	2,95		
Ring element Ø 2.500/750 mm	S1107	1.520	2,50	0,75	3,68		
Ring element Ø 2.500/1.000 mm	S1126	2.030	2,50	1,00	4,91		
Ring element with cross Ø 2.000/750 mm	S1048	1.440	2,00	0,75	2,36		
Ring element with cross Ø 2.500/600 mm	S1113	1.660	2,50	0,60	2,95		
Ring element with cross Ø 2.500/1.000 mm	S1133	2.690	2,50	1,00	4,91		
Bottom element Ø 2.000/850 mm	S1061	2.100	2,00	0,85	2,40		
Bottom element Ø 2.500/750 mm	S1121	2.830	2,50	0,75	3,20		
Bottom element with cross Ø 2.000/850 mm	S1063	2.340	2,00	0,85	2,67		
Bottom element with cross Ø 2.500/750 mm	S1124	3.520	2,50	0,75	3,19		
Buoyancy protection for compact tanks Ø 2.000	099-ZK-0720	550	2,00	-	-		
Buoyancy protection for compact tanks Ø 2.500	099-ZK-0725	690	2,50	-	-		
New opening / relocating an opening DN 100	099-MP-3140	-	-	-	-		
New opening / relocating an opening DN 150	099-MP-3150	-	-	-	-		
Joint mortar Bio Fug (bucket 18 kg)	V1180	18	-	-	-		

H-module Treatment phase for disinfection

- UV lamp technology
- Special stainless steel box
- Completely ready to plug in
- High operational reliability
- Low maintenance
- The H-module is used as additional treatment stage in the process

Why disinfection?

There are water protected areas in Germany and bodies of water into which even the treated wastewater from well-functioning small wastewater treatment plants may not be discharged.

With our H-module we achieve the highest level of wastewater treatment and ensure that only disinfected water is discharged. In a quality that complies with bathing water regulations.



The highest demand on the treatment performance for wastewater

■ How does the H-module work?

The clear water pump conveys the water through the UV module in cycles. In this module, the wavelength of UV light required for disinfection is generated by a special design of the UV lamp.

The quartz glass material ensures that only UV light of the effective wavelength for disinfection is applied to the water. Our specially designed power supply leads to an optimal and smooth operation of the UV lamp. The H-module operates with this UV emitter technology in a specially designed stainless steel box.

This ensures that the UV energy is used optimally and can therefore act very effectively while the water flows evenly through the UV reactor. It follows that all harmful microorganisms present in the water receive the same necessary dose of UV energy to stop them causing disease.

■ How does the disinfection of water with UV light work?

UV light is a natural component of our sunlight. The wavelengths of UV light with their high energy have the unique ability to kill microorganisms (bacteria, viruses, germs, etc.) in the water. Reproduction of these organisms, which can cause infections and diseases, is stopped by the use of UV light.

■ Energy demand

Demand for 30 Pe	+ 75 kWh/year
Demand for 40 Pe	+ 90 kWh/year
Demand for 50 Pe:	+ 110 kWh/year

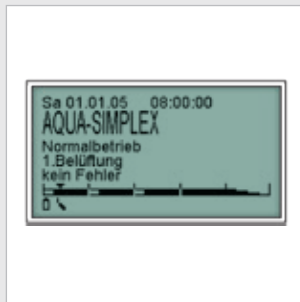
■ Long-term observation

The UV lamp has a lifetime of about 3,000 operations (approx. 5 years). The replacement must be carried out by an authorized specialist company. The time of the necessary replacement is indicated in advance in the control unit 150 days beforehand. This means that the replacement can be carried out during regular maintenance by a specialist company authorized by Kordes KLD (maintenance partner). The installation can be carried out by our factory customer service. Please place your order immediately after notification of the control unit.

099-ZK-0102	H-Module 4 - 16 Pe UV lamp with switching unit and control adjustment	Applicable with the systems: AQUA-SIMPLEXpionier „L“
099-ZK-0106	H-Module 20 - 50 Pe UV lamp with switching unit and control adjustment	
099-ZK-0156	H-Module 75 - 200 Pe UV lamp with switching unit and control adjustment	
099-MP-0009	Control cable 25 m (standard length 15 m)	
099-MP-0010	Control cable 35 m (standard length 15 m)	



Control unit



Display



Ready to plug in



Switching unit

P-Module

Treatment phase to P precipitation



- Completely ready to plug in
- High operational reliability
- The P-module is added as an additional following treatment phase.

Why phosphate elimination?

In Germany, there are water protected areas and bodies of water into which even the treated wastewater from optimally functioning small wastewater treatment plants may not be discharged.

Too high concentration of phosphorus in the effluent of a small wastewater treatment plant can contribute to a lack of oxygen in the water bodies to be discharged or to an increase of the phosphate content in the groundwater.

In order to reduce or retain the phosphorus occurring in a small wastewater treatment plant, the AQUA-SIMPLEX P module precipitates the phosphate with the aid of ferric chloride.

A dosing pump feeds the precipitant into the SBR reactor during the aeration phase. The precipitant binds the phosphate in the activated sludge of the SBR reactor. Through regular excess sludge removal, the activated sludge is pumped into the pretreatment together with the phosphate.

Here, the bound phosphate is sedimented into the primary sludge and discharged by regular sludge removal.

■ How does P-module work?

099-ZK-0084	P-Module 4 - 20 Pe Dosing pump, 10 liters of precipitant and adjustment of the control unit
099-ZK-0085	P-Module 24 - 50 Pe Dosing pump, 25 liters of precipitant and adjustment of the control unit
099-ZK-0087	10 liters container with precipitant
099-ZK-0095	25 liters container with precipitant
Required accessories: The P-module is only available with an outdoor column or a cabinet, as the precipitant must be stored locked.	

Dosing hose (standard length: 15 m)		
Type	Length	Article No.
VTB	25 m	099-MP-0024
VTB	35 m	099-MP-0025

C-Module

Dosage for load fluctuations

- Completely ready to plug in
- High operational reliability
- The C-module doses nutrients into the SBR reactor

Why carbon dosing?

Carbon dosing offers an ideal way to bridge long-lasting interruptions in operation (e.g. vacations, seasonal breaks, etc.). Here is an example:

Campgrounds are usually closed for a period of 4-6 months during the winter months. For the biology in the wastewater treatment plant, this means that no nutrients are available for the entire period due to the wastewater inflow. In a standard wastewater treatment plant, the biology would simply die off. This is where carbon dosing comes in. As soon as the wastewater inflow dries up, nutrients are dosed into the biology with the carbon. Thus, the activated sludge structure is safely maintained during winter months. A wastewater treatment plant equipped in this way will then continue to operate without problems in the spring. We offer carbon dosing in the smallest size for cottages (4 Pe) and the maximum size for campsites (50 Pe).

■ How does the C-module work?

The dosing of an external carbon source is carried out by means of an adjustable dosing pump in connection with a [time switch](#). The entire technology required for this can be placed in an open-air column. Carbon dosing only takes place during the so-called economy mode. If the plant is in economy mode for an uninterrupted period of 10 days, dosing begins: a certain amount of carbon is pumped into the SBR reactor at the same time as each feeding. The pumping quantity and duration depends on the respective plant size and is preset at the factory.

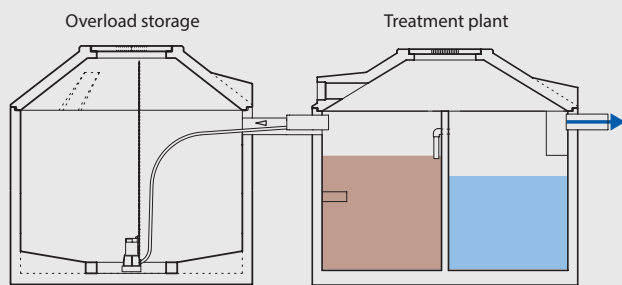
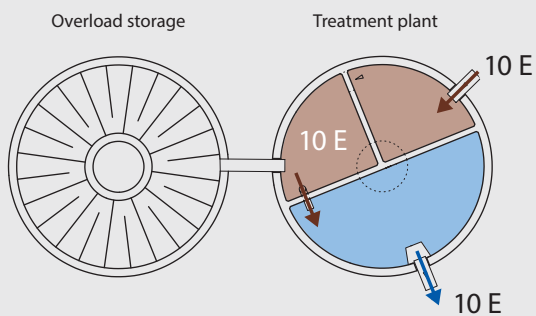
099-ZK-0077	C-Module 4 - 20 Pe for carbon dosing Dosing pump, 10 liters of dosing fluid
099-ZK-0078	C module 28 - 50 Pe for carbon dosing Dosing pump, 25 liters of dosing fluid
099-ZK-0073	10 liter canister with dosing fluid
099-ZK-0074	25 liter canister with dosing fluid

Dosing hose (standard length: 15 m)		
Type	Length	Article-No.
VTB	25 m	099-MP-0024
VTB	35 m	099-MP-0025

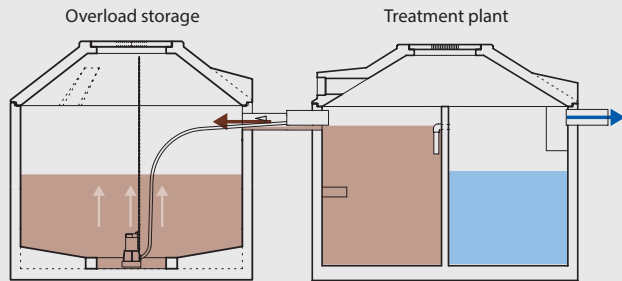
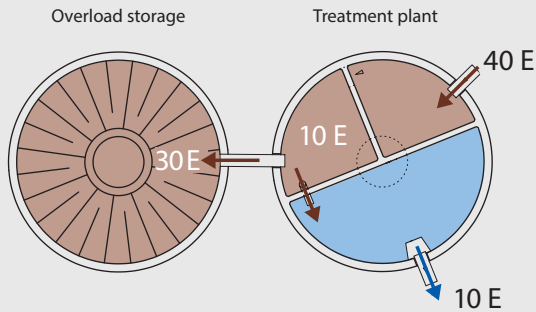


The treatment system for extreme load peaks within one to three days

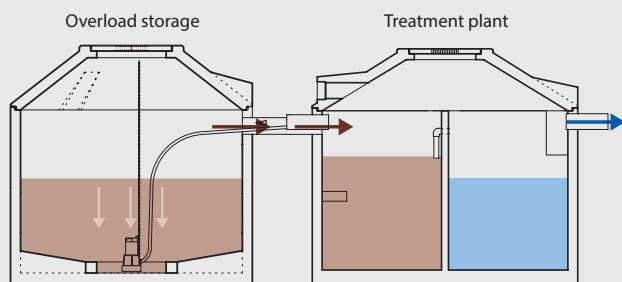
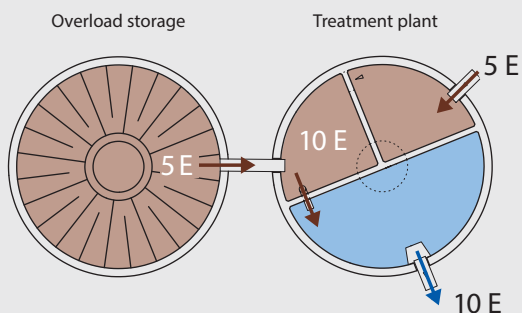
Situation: Normal load (wastewater treatment plant for 10 inhabitants)
The overload storage is not used.



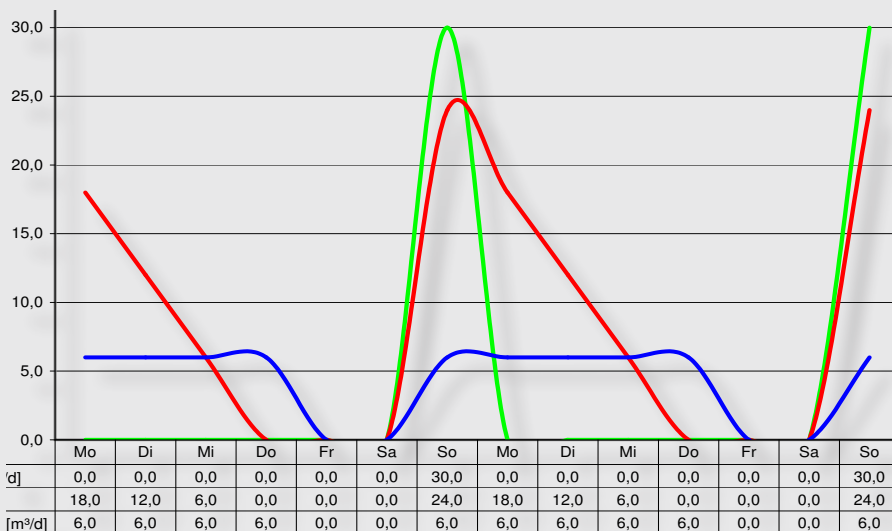
Situation: Maximum load (wastewater treatment plant for 10 inhabitants)
The overload storage tank fills up.



Situation: Underload (wastewater treatment plant for 10 inhabitants)
The overload storage tank is emptying.



Type	Article No.	Weight [kg]		installation dimension [m]			Volume [m ³]	BIO-FUG container	
		Total	heaviest part	Inner diameter	Installation depth	Inlet depth			
Single container - compact design									
SLSK 04 EB	099-ZK-3101	6.260	5.000	2,00	2,21	0,85	3,4	1	
SLSK 05 EB	099-ZK-3108	7.680	6.420	2,00	3,01	0,85	5,8	1	
SLSK 06 EB	099-ZK-3111	8.960	7.210	2,50	2,40	0,87	6,3	1	
SLSK 07 EB	099-ZK-3116	9.530	7.780	2,50	2,60	0,87	7,2	1	
SLSK 09 EB	099-ZK-3121	10.500	8.750	2,50	3,06	0,87	9,5	1	
Two-container - compact design									
SLSK 17 ZB	099-ZK-4125	19.560	8.750	2,50	3,06 / 2,60	0,87	16,8	2	
Two-container - ring design									
SLSR 24 ZB	099-ZK-4150	20.030	4.190	2,50	3,60 / 3,35	0,87	23,7		
SLSR 26 ZB	099-ZK-4157	21.250	4.190	2,50	3,95 / 3,60	0,87	26,1		
Pump technology									
SLSPT	099-ZK-5100	Pump technology with floating and adaptation of the control unit							



You can select the size for the overload storage tank according to the table below.

If the daily wastewater is even higher at the peak, please provide us with more detailed information so that we can make suggestions.

— Inlet WWTP [m³/d] — Storage filling [m³] — Capacity of SBR reactor [m³/d]

Einwohner	Normale Tageswassermenge m ³ /d	Mehrbelastung + 100% m ³ /d	Mehrbelastung + 200% m ³ /d	Mehrbelastung + 300% m ³
4 E	0,6	1,2	1,8	2,4
8 E	1,2	2,4	3,6	4,8
12 E	1,8	3,6	5,4	7,2
16 E	2,4	4,8	7,2	9,6
20 E	3,0	6,0	9,0	12,0
24 E	3,6	7,2	10,8	14,4
28 E	4,2	8,4	12,6	16,8
32 E	4,8	9,6	14,4	19,2
36 E	5,4	10,8	16,2	21,6
40 E	6,0	12,0	18,0	24,0
44 E	6,6	13,2	19,8	26,4
50 E	7,5	15,0	22,5	30,0

Service

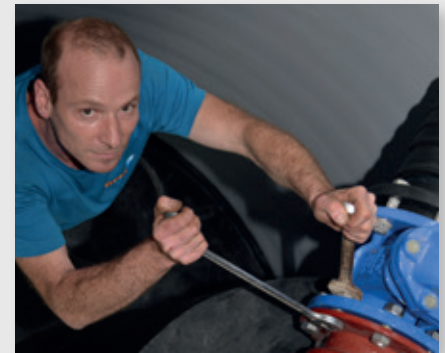
Spare parts

You need a spare part? Due to our extensive component archive and with corresponding stock-keeping, we will find the right spare part for you, so that your system is quickly ready to work again.



Installation and commissioning

After you have received the delivery and the on-site preparations have been completed, we will be pleased to come to the technical assembly. After a successfully completed test run, everything is ready for commissioning. As a preparation for professional operation management, you will receive a detailed technical briefing from us.



Maintenance

Your Kordes system has been running trouble-free so far and you are satisfied with the product. To keep it that way, we recommend regular and qualified maintenance. As part of the maintenance contract, we check the entire systems technology and adjust everything to the current conditions. We then document the status of the system, including the measures carried out, and provide you with a clear report. A permanently reliable operation of your treatment plant is thus guaranteed.

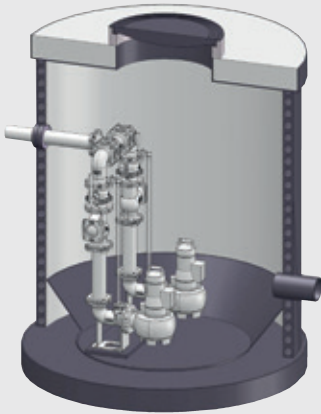


Contact

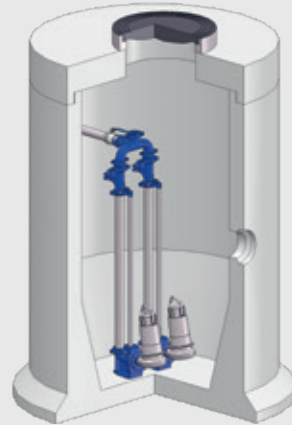
Tel: 05733 / 9908 - 402
wartung@kordes.de

Products

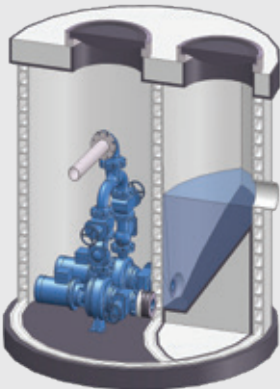
DORANT with PE-HD tank



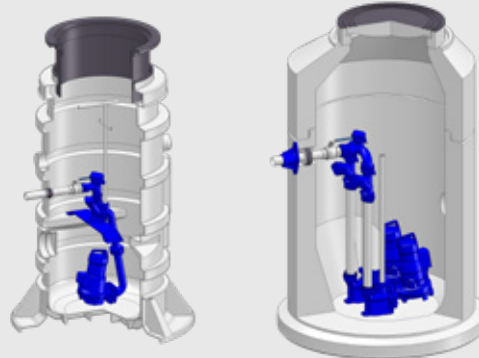
GARANT with reinforced concrete tank



HEKANT with dry-installed pumps



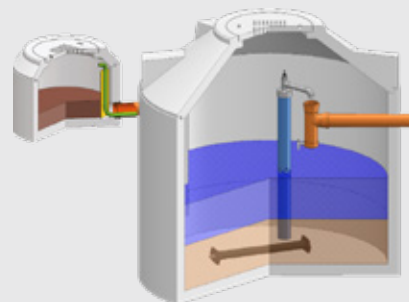
VARIANT Pressure drainage



BIOclear vario wastewater treatment plant
up to 5,000 Pe



Small wastewater treatment plants up
to 50 Pe



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Abwassersysteme GmbH
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