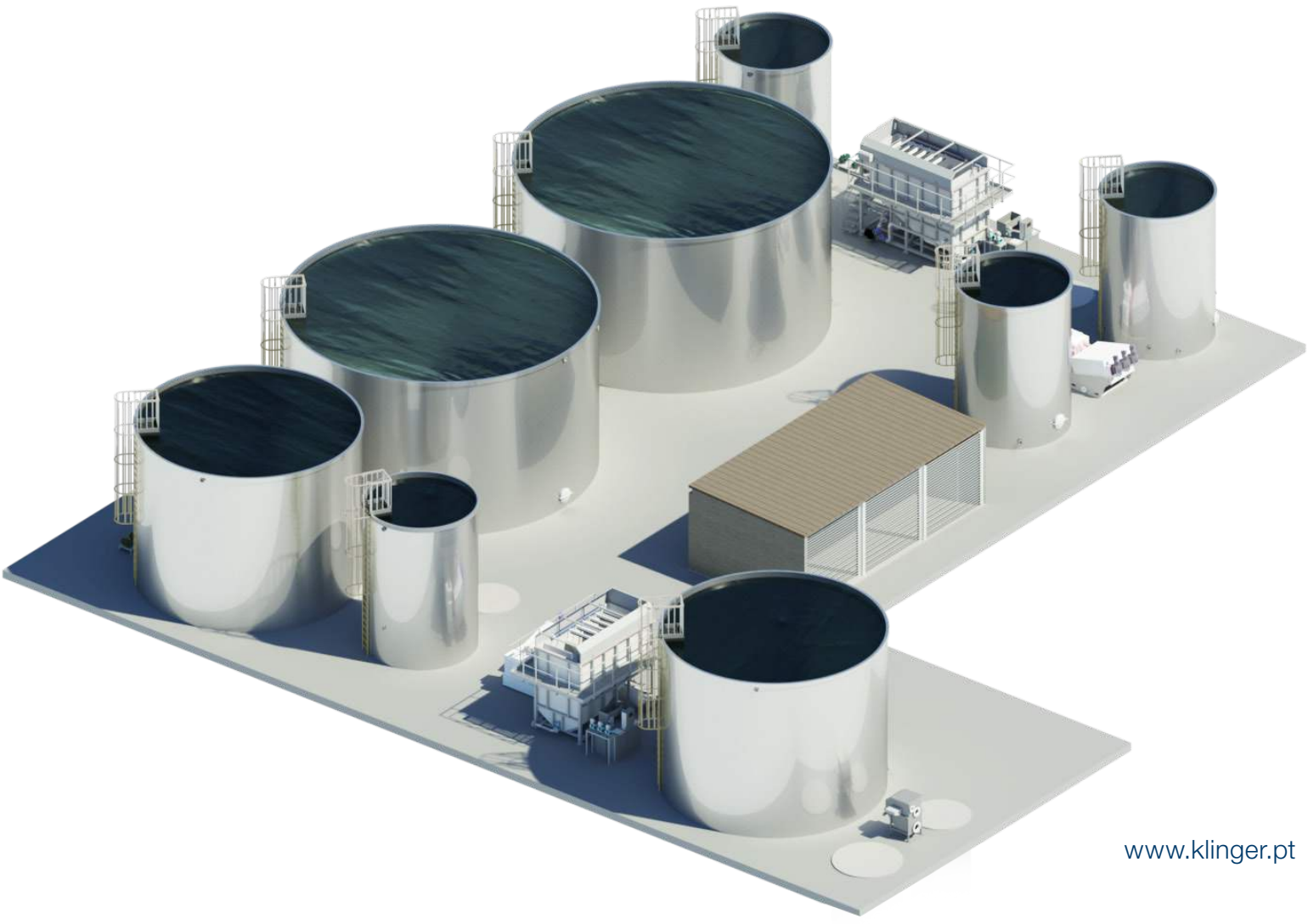
KLINGER Portugal

LiberAqua
Equipments



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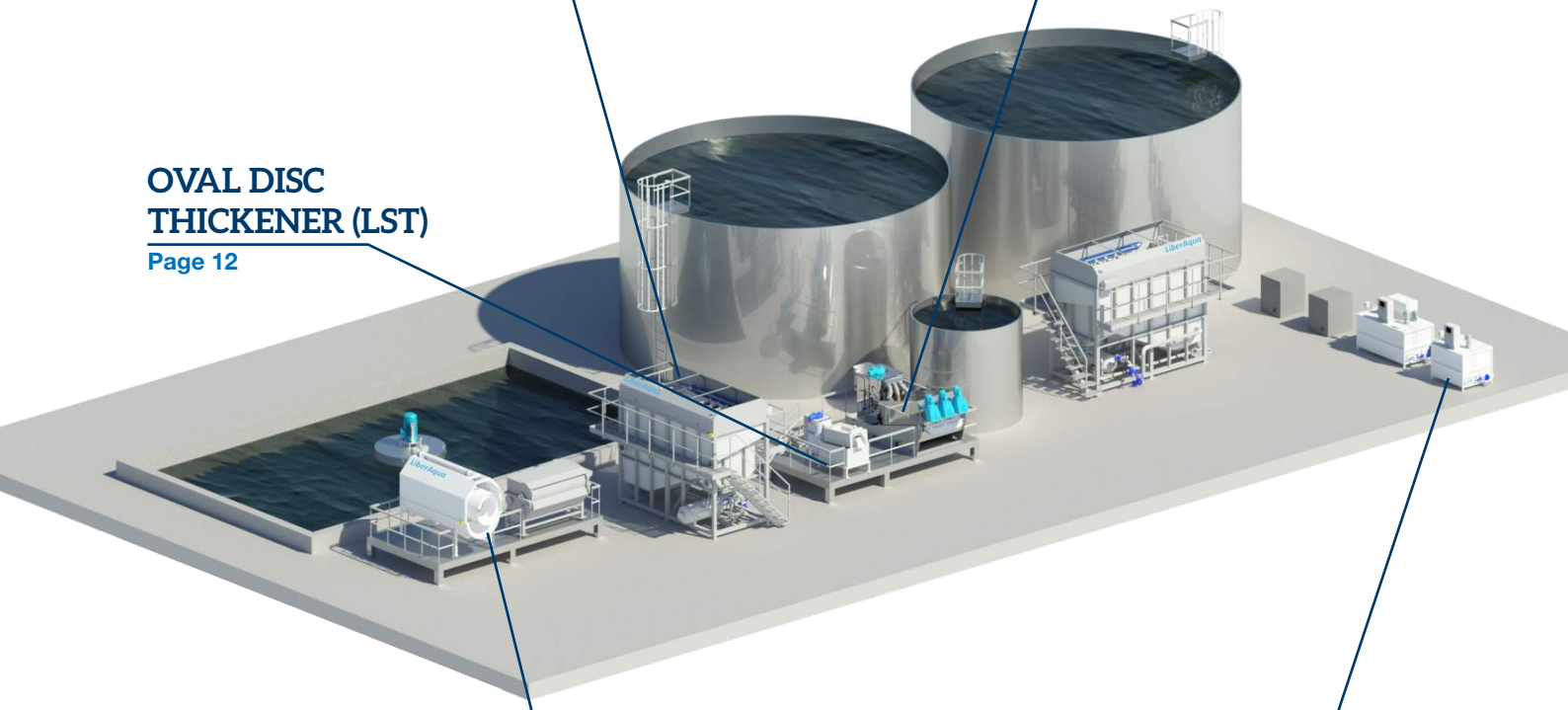
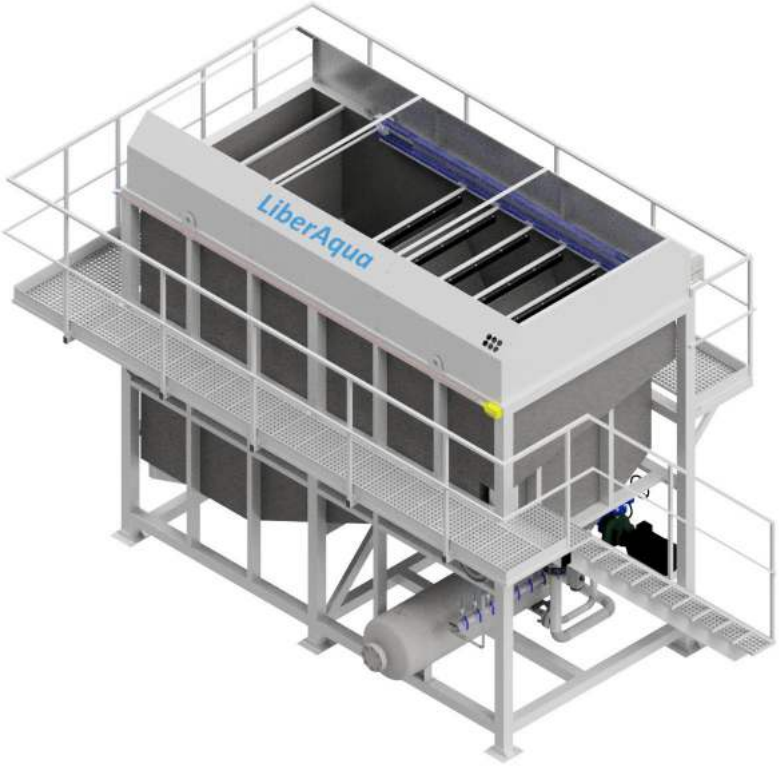


DISSOLVED AIR FLOTATION SYSTEMS (DAF)

We design, engineer, manufacture, and install Dissolved Air Flotation (DAF) systems optimized for maximum solid–liquid separation efficiency, low energy consumption, and simplified operation.

The DAF system operates in countercurrent flow, with sludge discharged at the inlet zone. This configuration minimizes solids carryover and maintains a high concentration of microbubbles in the area with the highest solids loading, preventing sedimentation.

The venturi-type pressurization system makes full use of compressed air, reducing air consumption by up to 50%. Recirculation pumps equipped with open impellers allow the passage of solids up to 20 mm, preventing clogging and ensuring reliable operation.



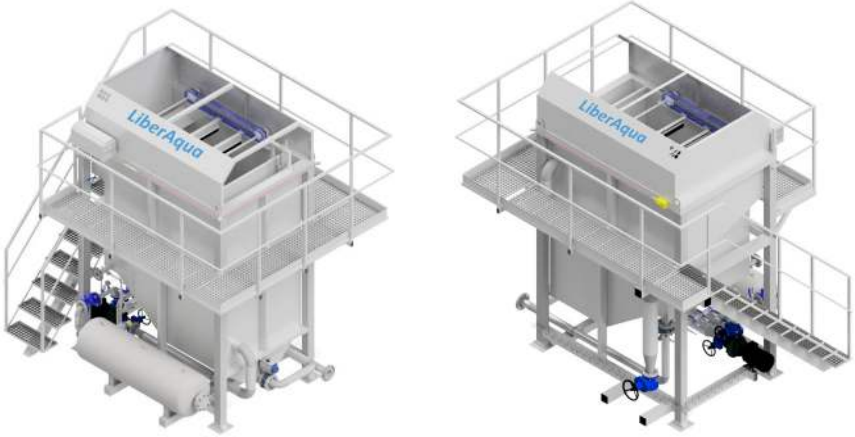
PRODUCT DESCRIPTION

Manufactured at our facilities, with standard construction in AISI 304 stainless steel. Upon request, units can be supplied in AISI 316 for more aggressive environments.

The equipment can be delivered as a standalone unit, with an electrical control panel designed to manage all stages of the flotation process. The following optional features are available:

» Automatic flocculant preparation (powder or liquid);
» Automatic dosing of reagents (coagulant, pH correction);
» Transfer pumping to downstream treatment;
» Treated water quality monitoring;
» SMS alert notifications, among others;
» Remote supervision and technical support.

The flotation units provide top access via staircase and walkway with handrails, all manufactured in stainless steel with grating. All moving components, such as chains and scrapers, are protected against accidental access by safety guards. The upper section of the equipment is fitted with a continuous safety lifeline along the entire accessible perimeter.



WORKING PRINCIPLE

The flotation process is based on the attachment of air microbubbles to solid particles, reducing their apparent density and causing rapid flotation to the surface. The addition of flocculants promotes the formation of larger and lighter aggregates, increasing solid–liquid separation efficiency.

The recirculated water is saturated with compressed air at 4 bar in a saturation vessel. When released to atmospheric pressure, the dissolved air is liberated as microbubbles, which adhere to the solid particles present in the raw water.

These particles are removed by scrapers and conveyed to a sludge collection box. Heavier particles, such as sand, settle at the bottom and are automatically discharged through pneumatically actuated valves operating on a timed cycle.

The flotation chamber is divided into three zones—inlet, separation, and treated water outlet—and features an adjustable weir discharge system. The weir level, scraper operation settings, and reagent dosing directly influence the degree of sludge thickening achieved.

APPLICATIONS

» Industrial Wastewater Treatment Plants (WWTPs).

» Urban Wastewater Treatment Plants.

» Physico-chemical treatment of effluents (reducing the load on biological treatment).

» Advanced solid–liquid separation (e.g., bulking, overloading in clarifiers).

» Thickening of biological sludge for anaerobic digestion.

TECHNICAL SPECIFICATIONS

The LiberAqua DAF system range has been developed to cover a wide variety of applications while maintaining high levels of efficiency and reliability. The following base models are available:

Characteristics	DAF 005	DAF 015	DAF 030	DAF 060	DAF 100	DAF 160
Maximum Treatment Capacity*	5 m³/h	15 m³/h	30 m³/h	60 m³/h	100 m³/h	160 m³/h
Total Power	7 kW	7 kW	9 kW	17 kW	17 kW	17 kW
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Voltage	400 V	400 V	400 V	400 V	400 V	400 V
Empty Weight	1377 kg	1783 kg	2400 kg	3065 kg	4000 kg	8000 kg
Operating Weight	7100 kg	10 000 kg	18 240 kg	27 300 kg	40 000 kg	77 000 kg
Length	3441 mm	3800 mm	5241 mm	6341 mm	8336 mm	9300 mm
Width	2695 mm	2695 mm	3245 mm	3445 mm	3445 mm	4200 mm
Height	3511 mm	3455 mm	3766 mm	3766 mm	3914 mm	3700 mm
Scraper Gearmotor Power	0.37 kW	0.37 kW	0.37 kW	0.37 kW	0.37 kW	0.37 kW
Standard Construction Material	AISI 304 / 304 L	AISI 304 / 304 L	AISI 304 / 304 L	AISI 304 / 304 L	AISI 304 / 304 L	AISI 304 / 304 L

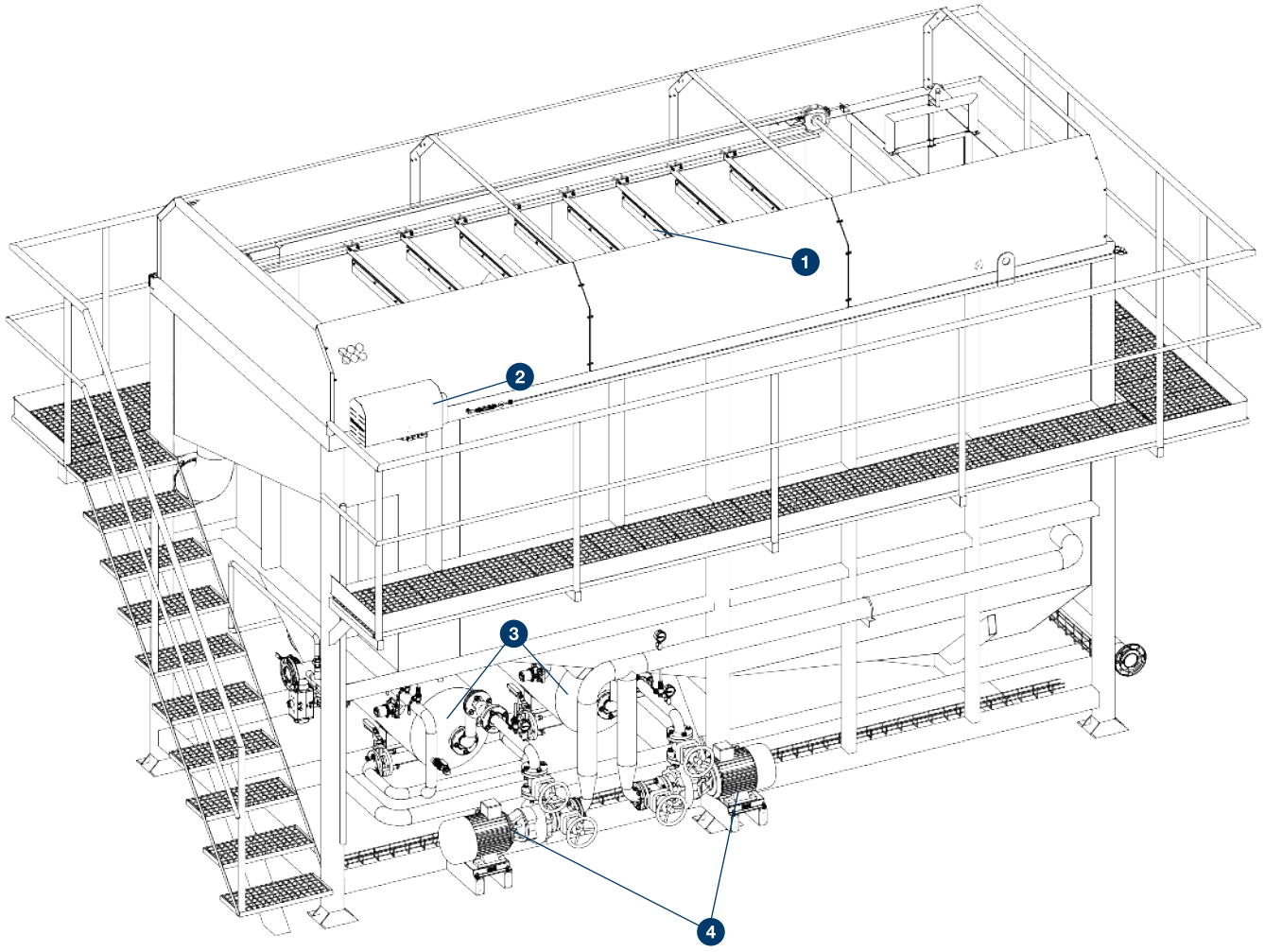
*The permissible flow rate depends on the total suspended solids (TSS) concentration and the effluent source. For proper sizing and additional information, please contact us.
**The technical specifications provided are approximate and may be adjusted depending on equipment customization. KLINGER Portugal reserves the right to make changes without prior notice whenever necessary for continuous product improvement.
***The images shown are for illustrative purposes only and do not constitute a commitment regarding the supplied equipment.

For flow rates above 200 m³/h, customized solutions can be provided through the construction of tailor-made units or the modular combination of existing models. This approach allows the system to be adapted to the client's technical and operational requirements while optimizing the available installation space.

All base models can be customized to meet the specific needs of each project, thanks to complete control over all production stages. Additionally, the electrical control panel can be configured to integrate and operate external equipment or instrumentation, enabling fully centralized and integrated management of the treatment line.

TECHNICAL DRAWING

The following image shows the equipment and its main components.



1. Scrapers
2. Scraper Gearmotor
3. Saturation Tank
4. Recirculation Pump

MULTIDISC SCREW PRESS (LDP)

The LDP Multidisc Screw Press is designed for sludge dewatering and can also function as a mechanical thickener.

This innovative solution features two distinct zones that optimize the dewatering process:

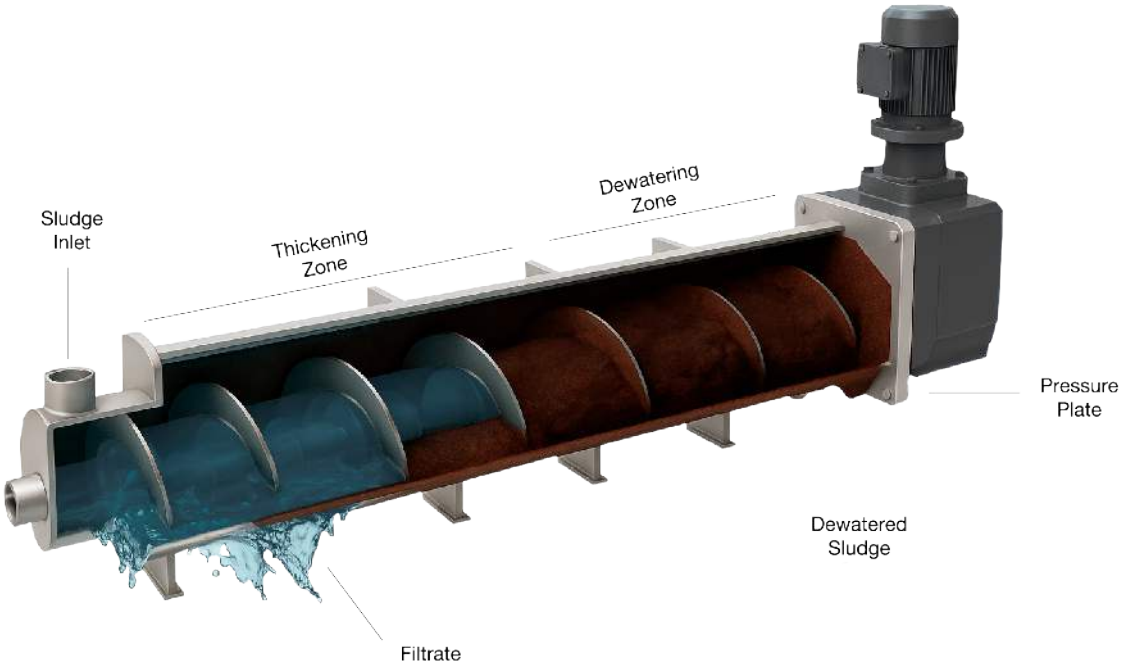
» **First zone:** the filter discs are spaced further apart, allowing the majority of free water to be extracted.

» **Second zone:** disc spacing is reduced, and applied pressure increases progressively, ensuring more efficient water removal.

This process raises the dry solids content of the dewatered sludge, enhances operational efficiency, and allows processing of low-concentration sludge from 2 g/L (0.2%).

The press is designed to prevent clogging and significantly reduce operational costs. It also incorporates a self-cleaning system between the fixed and moving discs, ensuring greater reliability and continuous operation.

The entire filter structure of the LDP consists of Fixed Discs, Spacer Rings, and Moving Discs, all made of stainless steel, providing robustness and durability.



WORKING PRINCIPLE

The LDP is suitable for dewatering the following types of sludge:

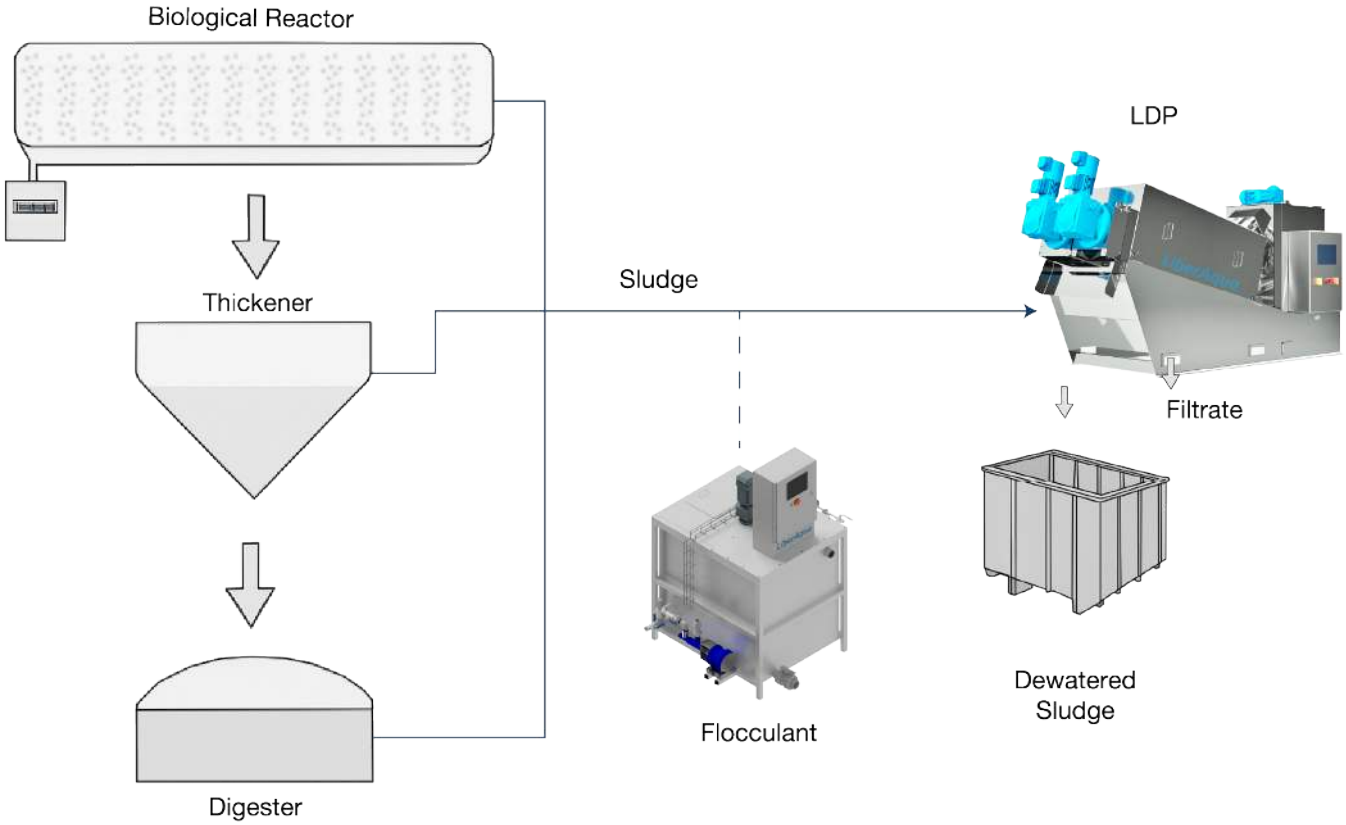
» mixed sludge;
» primary biological sludge;
» thickened sludge;
» non-thickened sludge;
» digested sludge;
» sludge from physico-chemical treatments.

To ensure efficient dewatering, it is essential to optimize the flocculation process (or coagulation–flocculation, when required). For this purpose, the LDP is equipped with a standard flocculation tank installed upstream of the screw dewatering system.

The process begins in the flocculation tank, from where the flocculated sludge is fed into the press. At this stage, the conveyor screw and filter discs work together to separate water from the solids, transporting the material through the two dewatering zones until the final extraction of dewatered sludge.

The oscillating movement of the moving discs ensures continuous self-cleaning of the filter surface, preventing clogging and maintaining process efficiency. The screw geometry also provides a gradual increase in pressure on the sludge, promoting effective dewatering. Thanks to this design, the LDP maintains high efficiency even with low-solid-content sludge.

The LDP comes standard with an electrical control panel equipped with PLC and HMI, providing integrated control of the entire process. This system allows adjustment of the screw speed, flocculation tank agitator, and sludge and flocculant pumps via frequency variation, ensuring flexible operation tailored to the specific characteristics of each installation. Additionally, the system can control a conveyor screw to facilitate the transfer of dewatered sludge.



Key advantages:

» Low energy consumption, resulting in efficient and sustainable operation;

» Reduced maintenance costs, thanks to low rotational speed, mechanical robustness, and self-cleaning system;

» Continuous operation, 24/7 throughout the year, with low noise and odor emissions;

» Low wash water consumption, even in high-capacity models;

» Effective performance with sludge containing high levels of oils and grease (O&G);

» Ability to dewater sludge directly from the biological reactor, reducing investment in thickening equipment and minimizing odor formation;

» Full stainless steel construction (AISI 304 L or 316 L), ensuring high durability and corrosion resistance;

» Fully automated equipment, controlled via PLC and HMI.

TECHNICAL SPECIFICATIONS

The LDP system range has been developed to meet a wide variety of applications, ensuring high levels of efficiency and reliability. The following models are available:

Model	Capacity	Screw Specifications	Length	Width	Height	Electrical Power	Wash Water Consumption	Weight
LDP 30125	up to 70 kg-DM/h	Ø 300 × 1	3200 mm	1000 mm	1700 mm	1.30 kW	10 L/h	850 kg
LDP 30225	up to 140 kg-DM/h	Ø 300 × 2	3300 mm	1300 mm	1700 mm	2.05 kW	20 L/h	1350 kg
LDP 30325	up to 210 kg-DM/h	Ø 300 × 3	3500 mm	1650 mm	1700 mm	3.00 kW	30 L/h	1880 kg
LDP 30425	up to 280 kg-DM/h	Ø 300 × 4	3650 mm	2050 mm	1700 mm	3.75 kW	40 L/h	2400 kg
LDP 35125	up to 120 kg-DM/h	Ø 350 × 1	3500 mm	1050 mm	2100 mm	1.65 kW	30 L/h	1600 kg
LDP 35225	up to 240 kg-DM/h	Ø 350 × 2	3600 mm	1450 mm	2100 mm	2.75 kW	60 L/h	2350 kg
LDP 35325	up to 360 kg-DM/h	Ø 350 × 3	3900 mm	1850 mm	2150 mm	4.40 kW	90 L/h	3360 kg
LDP 35425	up to 480 kg-DM/h	Ø 350 × 4	4250 mm	2400 mm	2250 mm	5.50 kW	120 L/h	3360 kg
LDP 40125	up to 160 kg-DM/h	Ø 400 × 1	3700 mm	1100 mm	2200 mm	1.65 kW	60 L/h	2400 kg
LDP 40225	up to 320 kg-DM/h	Ø 400 × 2	4200 mm	1600 mm	2200 mm	2.75 kW	120 L/h	3460 kg
LDP 40325	up to 480 kg-DM/h	Ø 400 × 3	4300 mm	2000 mm	2200 mm	4.40 kW	180 L/h	5450 kg
LDP 40425 (1) (2)	up to 640 kg-DM/h	Ø 400 × 4	4800 mm	2850 mm	2200 mm	5.50 kW	240 L/h	6500 kg

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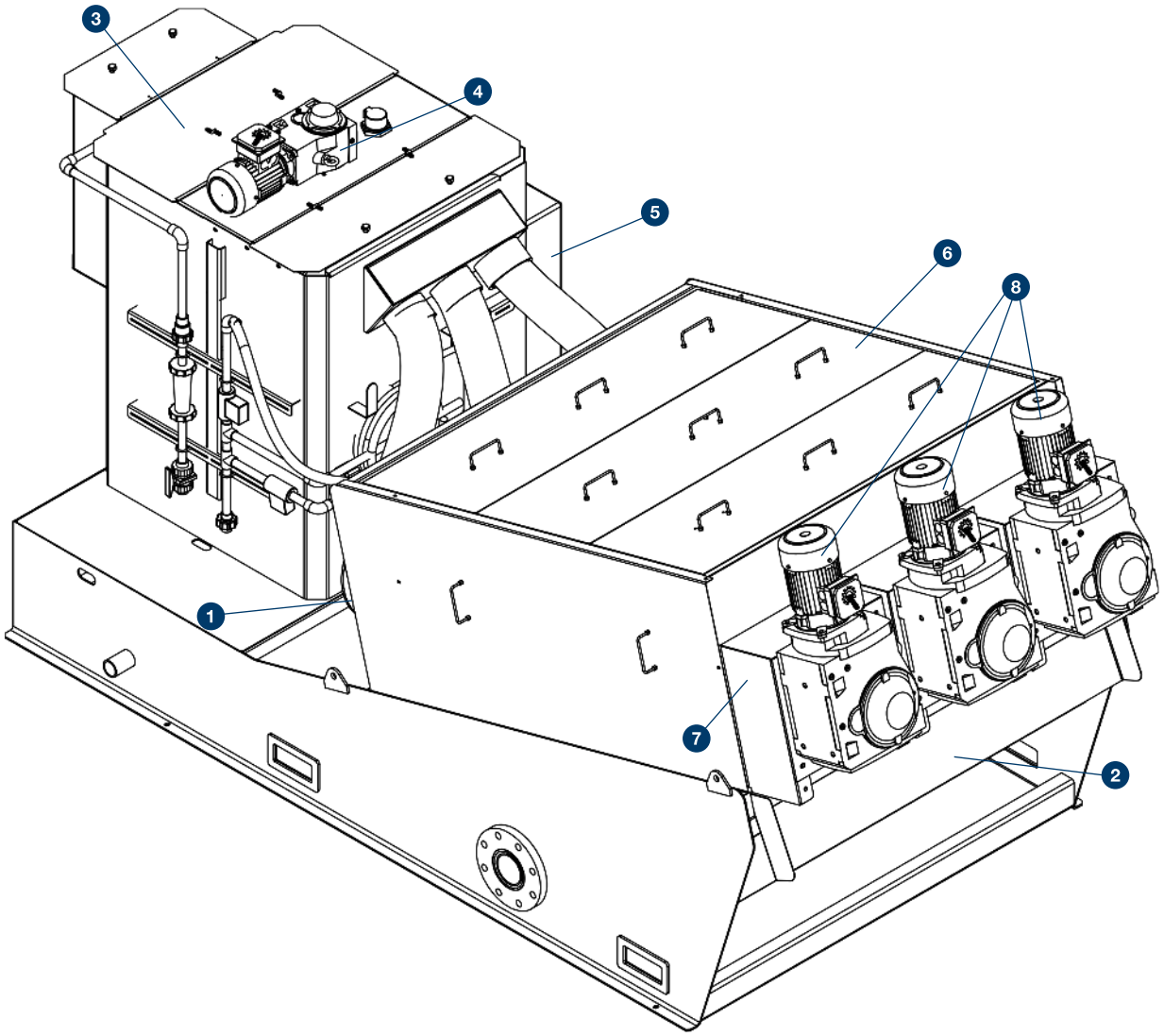
The treatment capacity is indicative and should be confirmed through laboratory and/or industrial testing. KLINGER Portugal offers trial/rental units for this purpose.

There is no defined upper limit for the concentration of sludge fed to the LDP, provided the sludge remains fluid.

TECHNICAL DRAWING

The following image shows the equipment and its main components.



1. Main Body Screw
2. Sludge Outlet
3. Flocculation Tank
4. Agitator Gearmotor
5. Electrical Control Display
6. Inspection Cover
7. Screw Access for Unblocking
8. Gearmotor

OVAL DISC THICKENER (LST)

The Oval Disc Thickener (LST) is a solid-liquid separation equipment that can operate for screening, thickening, and dewatering functions. It is a self-cleaning machine due to the continuous and synchronized rotation of oval discs between the slots of the stainless steel screen.

The LST is constructed in AISI 304 stainless steel and can include an AISI 304 flocculation tank and an electrical control panel for the feed pump and flocculant pump.

Equipment advantages:

» does not clog and does not require washing;
» continuous and stable treatment;
» compact and easy to transport;
» easy maintenance;
» energy savings.

WORKING PRINCIPLE

The LST is a solid-liquid separation equipment based on a system of oval discs mounted on a common shaft.

The effluent or sludge enters the equipment and passes through the set of slowly rotating oval discs. The movement of the discs creates a “wave” effect, allowing simultaneous solids transport, filtrate flow, and self-cleaning.

Solid particles are retained on the disc surface, forming a layer that is continuously conveyed by the disc rotation to the discharge zone. To increase the solids concentration, the sludge is subjected to increased pressure through a pneumatic system integrated into the machine.

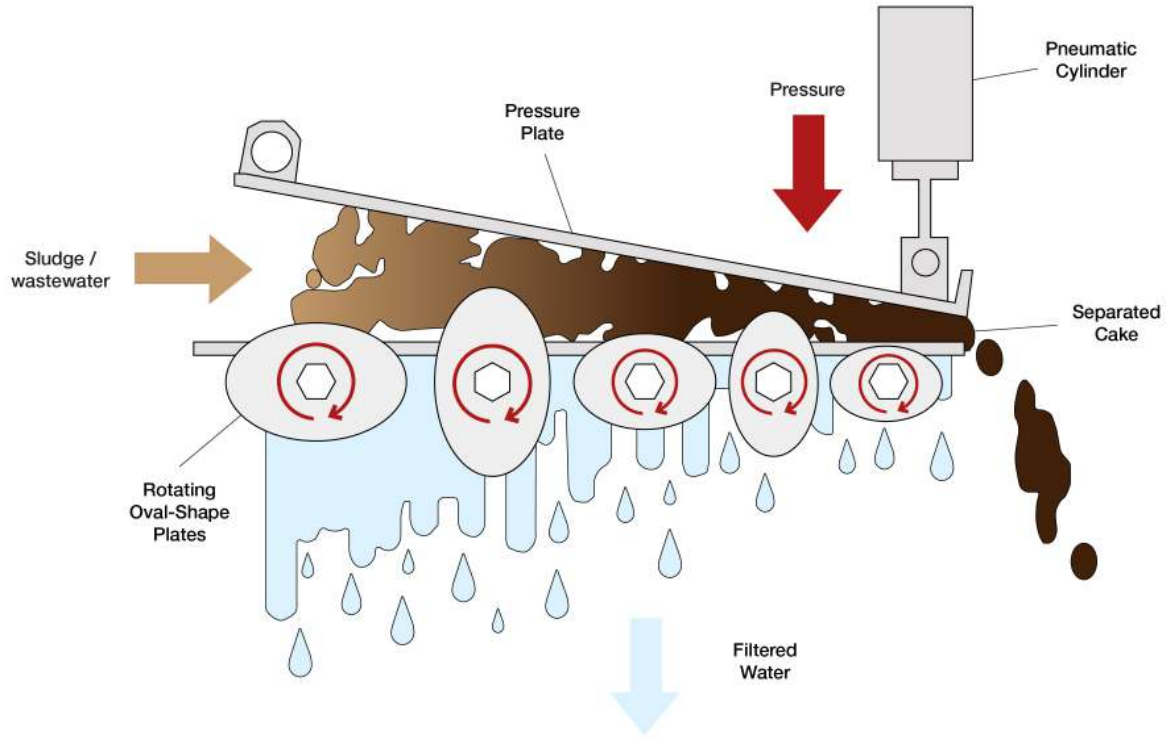
The water, already separated from the solids, passes through the spaces between the discs and flows to the discharge, significantly reducing the solid load.

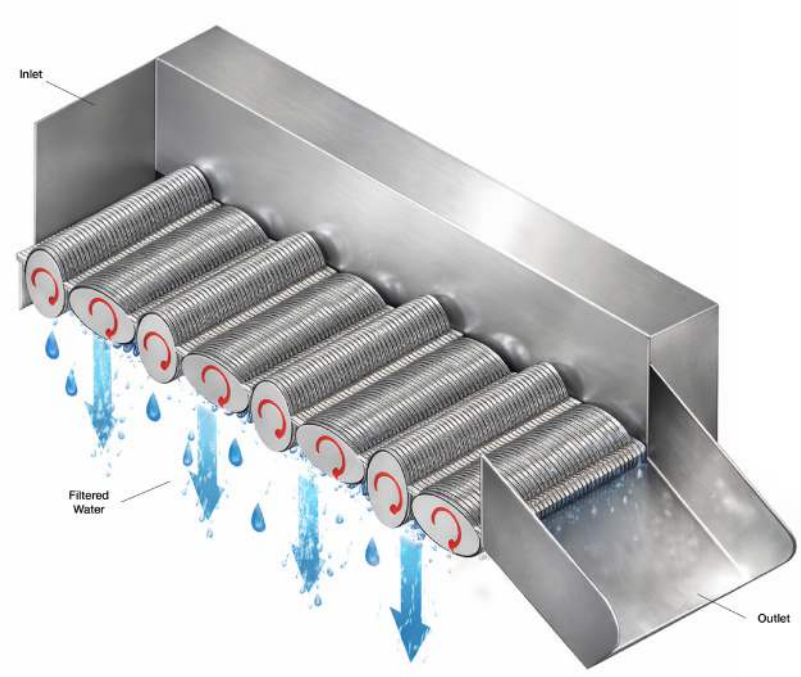
The system operates at low speed, with low energy consumption and high reliability. Its design allows continuous operation without the need for wash water.

The slot openings of the stainless steel screen are 1 mm. The machine can operate with or without the addition of chemicals.

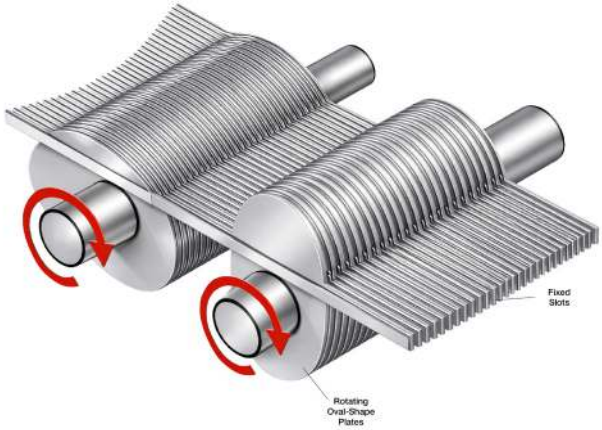
Applications of the LST:

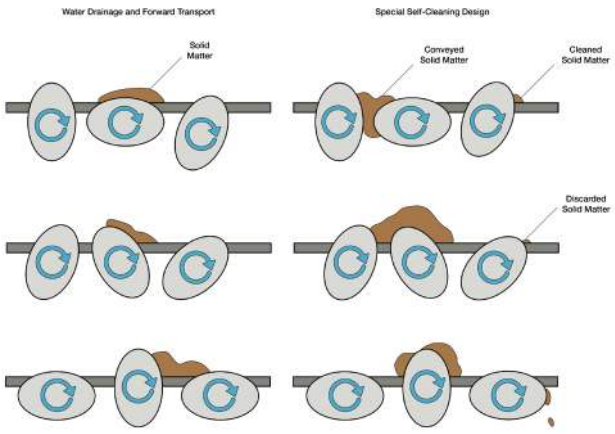
» food processing.
» animal husbandry.
» municipal wastewater.
» industrial wastewater.





EQUIPMENT STRUCTURE





The continuous rotation of the oval discs keeps the filtration zone clean, while conveying and thickening the residue before discharge.

Application examples:

» Screening of domestic wastewater;
» Screening of effluents from the canning industry;
» Screening of effluents from slaughterhouses;
» Primary treatment of effluents, combining coagulation–flocculation and filtration;
» Thickening and dewatering of manure/slurry from swine and cattle farming;
» Sludge thickening in urban or industrial WWTPs;
» Sludge dewatering in small urban or industrial WWTPs;
» Solid–liquid separation for oil-containing wastes;
» Primary treatment of effluents generated in agriculture and livestock activities;
» Solid–liquid separation in various industrial processes;
» Purification of lakes and rivers – removal of algae or sediments by flocculation–filtration.

TECHNICAL SPECIFICATIONS

The LST system range was developed to meet a wide variety of applications, ensuring high levels of efficiency and reliability. The following models are available:

Thickening Models						
Model	**Approx. Flow**	**Approx. Mass Load**	**Length**	**Width**	**Height**	**Power Consumption**
LST 312	< 21 m³/h	< 49 kg-ML/h	2300 mm	1000 mm	1400 mm	0.6 kW
LST 412	< 28 m³/h	< 67 kg-ML/h	2300 mm	1050 mm	1500 mm	0.6 kW
LST 612	< 42 m³/h	< 100 kg-ML/h	2400 mm	1240 mm	1500 mm	0.8 kW
LST 812	< 79 m³/h	< 185 kg-ML/h	2540 mm	1540 mm	1500 mm	1.5 kW
LST 1012	< 98 m³/h	< 230 kg-ML/h	3180 mm	1540 mm	1650 mm	1.5 kW
LST 1212	< 120 m³/h	< 280 kg-ML/h	3300 mm	1740 mm	1650 mm	2.25 kW

Screening Models					
Model	**Approx. Flow**	**Length**	**Width**	**Height**	**Power Consumption**
LST 256G	14 m³/h	1100 mm	490 mm	800 mm	0.1 kW
LST 312G	38 m³/h	2300 mm	1100 mm	1400 mm	0.2 kW
LST 412G	55 m³/h	2300 mm	1200 mm	1500 mm	0.2 kW
LST 612G	76 m³/h	2400 mm	1400 mm	1500 mm	0.4 kW
LST 812G	110 m³/h	2540 mm	1650 mm	1500 mm	0.75 kW
LST 1012G	138 m³/h	3180 mm	2050 mm	1650 mm	0.75 kW
LST 1212G	167 m³/h	3300 mm	2250 mm	1650 mm	1.5 kW

Dewatering Models						
Model	**Approx. Flow**	**Approx. Mass Load**	**Length**	**Width**	**Height**	**Power Consumption**
LST 311D	2 – 4 m³/h	25 - 40 kg-ML/h	2300 mm	1100 mm	1400 mm	1.2 kW
LST 411D	3 – 6 m³/h	40 - 60 kg-ML/h	2300 mm	1200 mm	1500 mm	1.4 kW
LST 611D	4 – 8 m³/h	50 - 80 kg-ML/h	2400 mm	1400 mm	1500 mm	1.4 kW
LST 811D	6 – 12 m³/h	80 - 120 kg-ML/h	2540 mm	1650 mm	1500 mm	1.75 kW
LST 1011D	7 – 14 m³/h	100 - 140 kg-ML/h	3180 mm	2050 mm	1650 mm	2.85 kW
LST 1211D	8 – 16 m³/h	120 - 160 kg-ML/h	3300 mm	2250 mm	1650 mm	2.85 kW
LST 1224D	16 – 30 m³/h	160 - 300 kg-ML/h	4633 mm	2078 mm	1862 mm	2.9 kW

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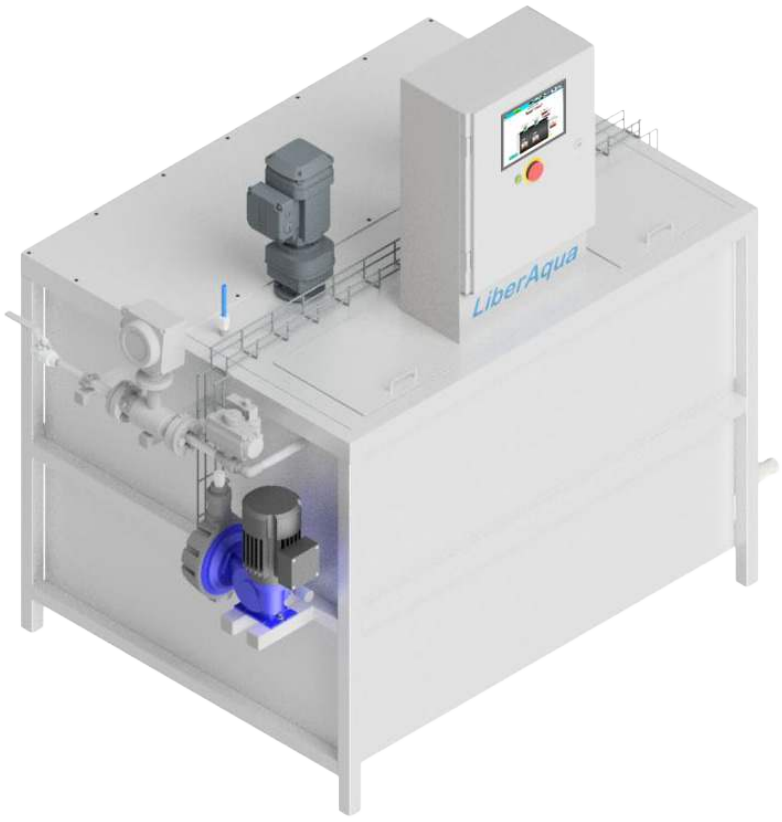
AUTOMATIC FLOCCULANT PREPARER (PAF)

The Automatic Flocculant Preparers (PAF) are complete, compact systems designed for the preparation and dosing of flocculants in various formats: liquid emulsion, powder, or a combination of both. Their robust construction in high-quality stainless steel (304 L or 316 L) ensures durability and corrosion resistance, making them ideal for demanding industrial environments.

Designed as “plug & play” solutions, they are supplied with all hydraulic and electrical components pre-installed and tested. Thanks to integrated automation and an intuitive interface, operation is simple, fast, and safe.

The PAF ensures efficiency, reliability, and consistency in:
» polymer preparation;
» industrial processes using flocculants;
» optimization of water treatment processes;
» specific applications requiring controlled dosing.

The standard range covers most operational needs, with project-based customization available for specialized applications.



WORKING PRINCIPLE

The Automatic Flocculant Preparer operates continuously and automatically, ensuring precise concentration and homogeneous dissolution of the flocculant. The system can be configured in three variants:

» **PAF-L (Liquid):** ideal for flocculants in liquid emulsion.
» **PAF-P (Powder):** designed for solid powdered flocculants.
» **PAF-PL (Powder + Liquid):** versatile, for combined use.

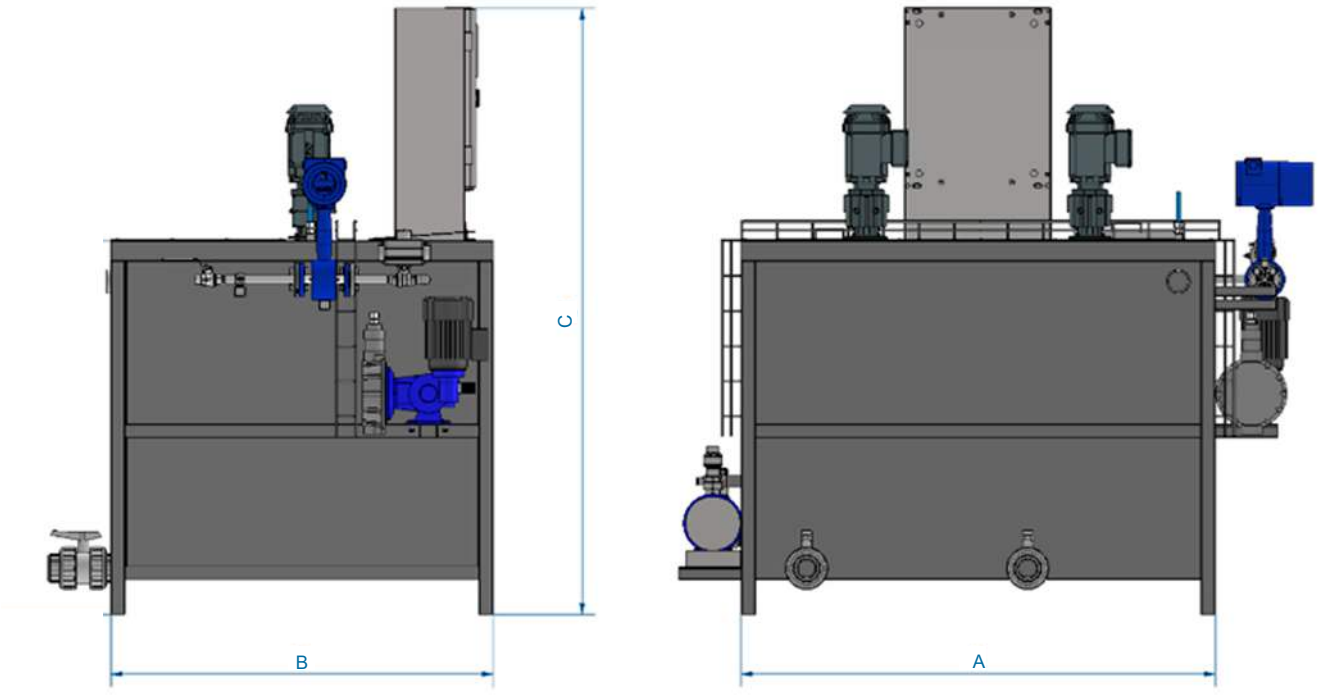
For liquid emulsion flocculants, the solution is prepared using a variable-flow pump, which injects the product directly into the water line. For powdered flocculants, dosing is performed via a screw feeder driven by a gearmotor.

The dilution water is controlled by an electromagnetic flowmeter, ensuring the desired concentration. The water–flocculant mixture is then transferred to the main tank, where specially designed mechanical agitators promote uniform polymer dissolution, even for formulations with low solubility.

The preparation tank includes compartments with gravity overflow, providing the necessary maturation time to produce a stable and effective solution.

The entire system is managed by an electrical control panel with a tactile, intuitive HMI, allowing the operator to:

» quickly configure operational parameters;
» monitor the system status in real time;
» access functions such as alarms, flow adjustments, agitation times, and event history.



TECHNICAL SPECIFICATIONS

The PAF models are available in various capacities and configurations, suitable for different preparation flow rates and concentration levels.

Characteristics	PAF-L-1E-200L	*PAF-L-1E-500L PAF-P-1E-500L PAF-PL-1E-500L	*PAF-L-2E-1000L PAF-P-2E-1000L PAF-PL-2E-1000L	*PAF-L-3E-2000L PAF-P-3E-2000L PAF-PL-3E-2000L	*PAF-L-3E-3000L PAF-P-3E-3000L PAF-PL-3E-3000L	*PAF-L-3E-5000L PAF-P-3E-5000L PAF-PL-3E-5000L
Total Volume	200 L	500 L	1000 L	2000 L	3000 L	5000 L
Overall Length (A)	1190 mm	1233 mm	1698 mm	2358 mm	3350 mm	2938 mm
Overall Width (B)	765 mm	1258 mm	1258 mm	1258 mm	1564 mm	2258 mm
Overall Height (C)	1826 mm	1722 mm	1720 mm	1720 mm	1660 mm	1571 mm
Empty Weight	100 kg	*200 kg | 300 kg	*300 kg | 400 kg	*400 kg | 500 kg	*400 kg | 500 kg	*700 kg | 800 kg
Operating Weight	300 kg	*700 kg | 800 kg	*1300 kg | 1400 kg	*2400 kg | 2500 kg	*3400 kg | 3500 kg	*5700 kg | 5800 kg
Capacity TRH = 60 minutes	200 L/h	500 L/h	1000 L/h	2000 L/h	3000 L/h	5000 L/h
Capacity TRH = 30 minutes	400 L/h	1000 L/h	2000 L/h	4000 L/h	6000 L/h	10000 L/h
Water Inlet	DN 15	DN 15	DN 15	DN 15	DN 15	DN 15
Dosing Connection	DN 25	DN 25	DN 25	DN 25	DN 25	DN 25
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Voltage	400 V	400 V	400 V	400 V	400 V	400 V
Concentrated Solution Dosing Pump Power	0.18 kW	0.18 kW	0.18 kW	0.18 kW	0.18 kW	0.18 kW
Powder Doser Power	-	0.25 kW	0.25 kW	0.25 kW	0.25 kW	0.25 kW
Hopper Capacity	-	50 kg	50 kg	50 kg	100 kg	130 kg
Hopper Length	-	800 mm	800 mm	800 mm	1200 mm	1596 mm
Hopper Width	-	400 mm	400 mm	400 mm	400 mm	400 mm
Agitator Motor Power	0.37 kW	0.37 kW	0.37 kW x 2	0.55 kW x 2	0.75 kW x 2	1 kW x 3
Agitator Speed	124 rpm	124 rpm	124 rpm	124 rpm	124 rpm	124 rpm
Standard Construction Material	AISI 304 / 304 L	AISI 304 / 304 L	AISI 304 / 304 L	AISI 304 / 304 L	AISI 304 / 304 L	AISI 304 / 304 L

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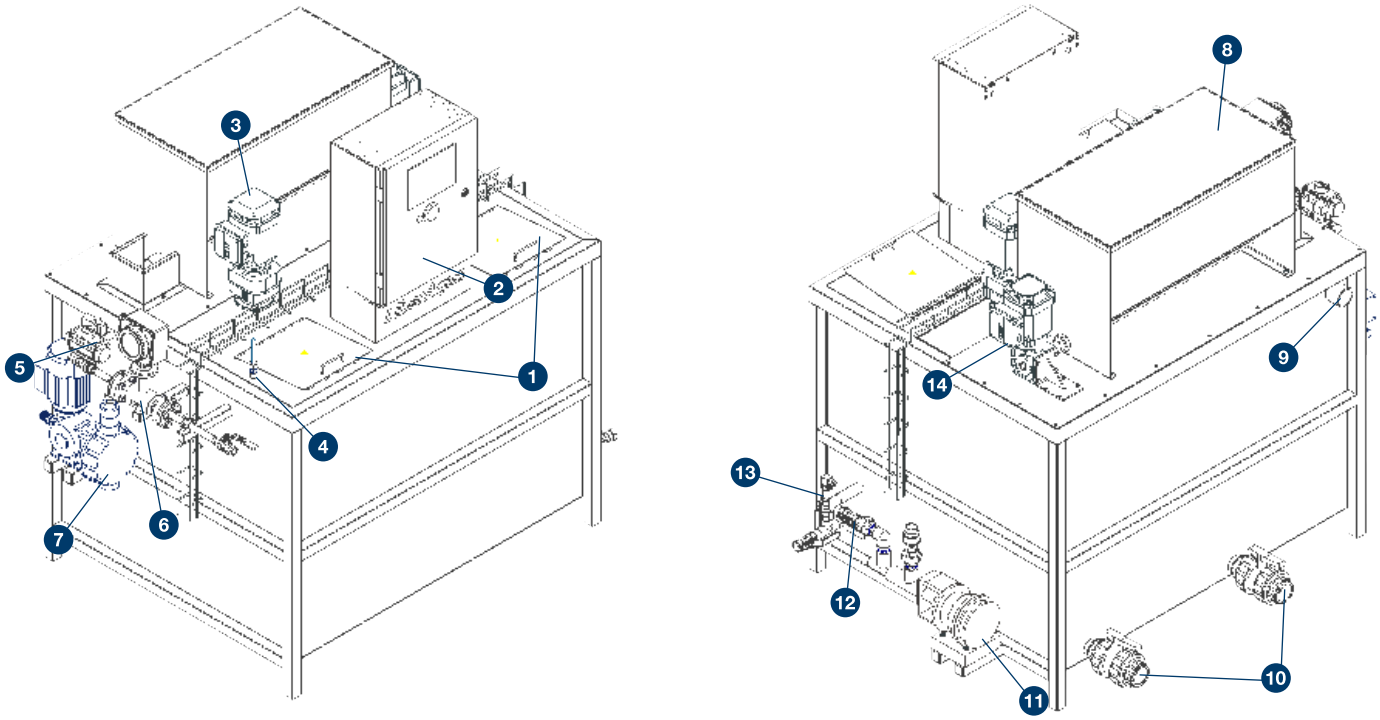
The range of Automatic Flocculant Preparers (PAF) covers the main requirements of standard industrial processes. For specific applications, customized configurations are available based on technical analysis, ensuring that each system fully meets the client's requirements. Whether in terms of capacity, operational parameters, or integration with existing systems, our team is ready to develop tailored solutions for each application.

TECHNICAL DRAWING

The following image shows the equipment and its main components.



1. Inspection Cover
2. Control Panel (Optional)
3. Agitator
4. Injection Point
5. Pneumatic Actuator
6. Flow Meter
7. Concentrated Solution Dosing Pump
8. Hopper
9. Overflow
10. Discharge Valve
11. Prepared Solution Dosing Pump (Optional)
12. Dosing Valve
13. Pressure Transmitter
14. Powder Doser Screw Feeder Gearmotor

INTERNAL FEED ROTARY DRUM SCREEN (L-IFRS)

KLINGER Portugal provides reliable and robust solutions for solid–liquid separation and wastewater filtration in industrial and urban applications. Our rotary drum screens are designed to ensure high efficiency in solid capture, continuous operation, and simplified maintenance, adapting to the specific requirements of each process.

The Internal Feed Rotary Drum Screen stands out for its high hydraulic efficiency and for optimizing the contact between the effluent and the filtering medium.

WORKING PRINCIPLE

The influent is introduced inside the drum, allowing uniform flow distribution and maximizing the effective filtration area.

This configuration ensures:

» High processing capacity;
» Excellent solid removal efficiency;
» Reduced risk of clogging;
» Stable and continuous operation.

The equipment may include an electrical control panel with all electrified components fully assembled and tested, delivering a complete, ready-to-operate system to the end user.

The high-quality stainless steel used in the construction of these structures provides robustness and an excellent finish. The helical screw installed inside the drum was developed to ensure efficient solids transport.

The pressurized water cleaning system sprays and removes all types of solids retained on the filter mesh surface.

The tank, constructed from stainless steel plate, has a capacity of up to 1500 L. A bypass pipe is installed at the top to prevent overflow.

The electrical control panel consists of an HMI console with an intuitive program, easy to interpret and quick to configure.

TECHNICAL SPECIFICATIONS

The rotary drum screen models are available in various capacities and configurations, suitable for different flow rates and concentration levels.

General Data	
Brand & Model	LiberAqua & Internal Feed Rotary Drum Screen L-IFRS
Drum Size	3000 × 900 mm (W × D)
Total Dimensions	3200 × 1437 × 2327 mm (W × L × H)
Empty Weight	715 kg
Operating Weight	2215 kg
Total Power	2.2 kW
Frequency	50 Hz
Voltage	400 V

Components	Items	Technical Parameters
Main Structure**	Length × Width	2744 × 1320 mm (W × L)
	Capacity/Volume	130 kg
	Quantity	1 unit
	Material	AISI 304 L / 316 L
Gear Motor for Drum Drive	Power	2.2 kW
	Protection Class IP	55
	Quantity	1 unit
Cleaning System	Wash Water Collector	Material: AISI 304 L / 316 L* Pipe Diameter: Water Inlet: DN 40 Water Injectors: DN 15
	Drum	Material: AISI 304 L / 316 L*
Drive System	Shaft	Material: AISI 304 L / 316 L*
	Pulley with Belts	2 units
Electrical Panel	Coating Material	Polyester
	Electrical Components	Includes HMI display
	Function	Control panel

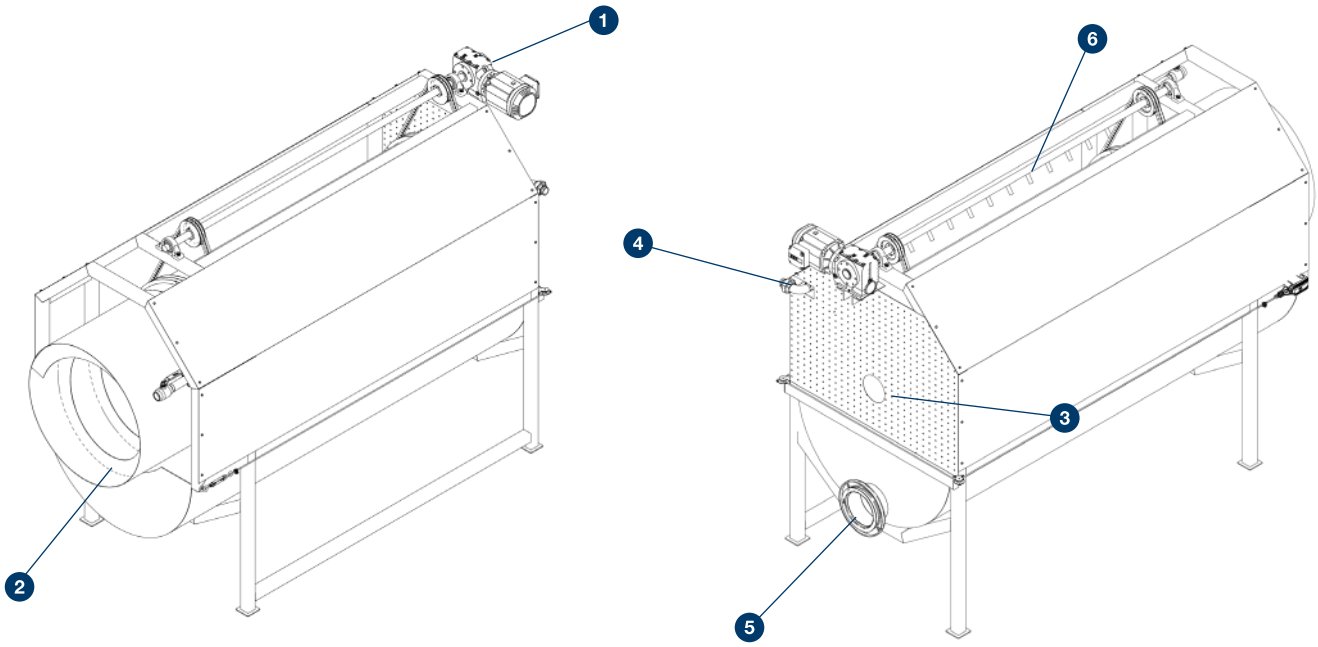
*Optional
**The technical specifications provided are approximate and may be adjusted depending on equipment customization. KLINGER Portugal reserves the right to make changes without prior notice whenever necessary for the continuous improvement of the product.
***The images shown are for illustration purposes only and do not constitute a commitment regarding the equipment supplied.

MAIN ADVANTAGES:

» High solids capture efficiency
» Low energy consumption and reduced maintenance
» Non-clogging, pressurized washing system
» Continuous solids transport for discharge
» Mesh flexibility

TECHNICAL DRAWING

The following image shows the equipment and its main components.



1. Motorized Gearbox – Shaft Drive
2. Solids Outlet
3. Effluent Inlet
4. Water Inlet
5. Effluent Outlet
6. Injectors

KLINGER Portugal

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