

A measured step forward

System and process technology for
waste water treatment



Dosing | Liquids
Conveying | Gases
Control | Systems

Dosing systems from Lutz-Jesco

for waste water treatment



Clear prospects

Compact storage and dosing systems for precipitation and flocculation chemicals are required increasingly in small configurations for waste water treatment.

As a manufacturer of dosing pumps, for this we offer a modular system with the installation variant designed precisely for your case of application.

For simple dosing tasks we offer dosing pumps incl. complete accessories mounted on PE tanks. A storage volume of up to 6000 litres is possible for indoor installation.



Cost reduction

through standardised dosing systems on prefabricated plates or a direct assembly on small bunker tanks. We guarantee constant high quality and short delivery times.

Reliable and flexible

Dosing pump requirements are as diverse as the possible applications and uses.

Lutz-Jesco has therefore developed special solutions for each area of application. The comprehensive product spectrum ranges from the cost-effective magnetic metering pump over the “muscular” motor-driven diaphragm dosing pump and the piston dosing pump for high pressures up to 400 bar to the peristaltic pump for low pressures.

These are used for dosing fluids with highly varied viscosities, most of which are chemically aggressive and toxic, and some of which are actually abrasive or emit gases.



Thought through down to the smallest detail

Our space saving dosing systems are mounted on a mounting plate with collecting pan as well as necessary accessories or are available already in a climate controlled guard made from glass fiber-reinforced plastic. A concrete base can be ordered for outdoor installation.

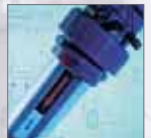




Dosing pumps, accessories, chlorine gas technology, measurement and control technology, centrifugal pumps, disinfection systems and plant construction



Products for the disinfection of swimming pool water based on salt water electrolysis, domestic water technology



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Drum and tank pumps, flow meters, double-diaphragm pumps, centrifugal pumps



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Automation package / range of accessories

Automation

A fully automated solution or ON-OFF operation, the control concept permits all options.

- Dosing via regular hourly, daily and weekly curve
- Dosing via an external target value
- Start-Stop operation with preset pump

Safety

Monitoring and signaling of leaks, filling levels with display on control cabinet.
Forwarding of the signals via potential-free contacts.

Accessories

Lutz-Jesco offers a comprehensive range of products for the dosing and pumping of fluids, gases and solid materials.

In addition measuring and control devices with extensive accessories enable the optimisation of the dosing systems and the integration into existing processes.

Customer-specific special designs complete the offer.

Service / Maintenance

As a company certified according to ISO 9001 and a specialist within the meaning of WHG (General Provisions relating to Waters) para.19 - we leave nothing to chance.

Regular care and maintenance of your dosing systems not only preserves the value of the system, it also protects against unforeseeable failures and saves you a lot of time, trouble and unnecessary costs.

We offer you a complete package for annual maintenance for all design variants mentioned.



Product overview of dosing systems

Plate-mounted standard dosing systems



Dosing system type	MAGDOS	MINIDOS	MEMDOS
Number of pumps	1-2	1-2	1-2
Max. dosing capacity [l/h]	0 ... 12	0 ... 40	0 ... 50
Pressure [bar]	0 ... 10	0 ... 10	0 ... 10
Material	PVC / PP	PVC / PP	PVC / PP
Accessories (mounted on plate)	Back-pressure valve, pressure-relief valve, pulsation damper, priming aid, shut-off fittings, flushing connector		

Dosing systems in safety cabinet



Dosing system type	MAGDOS	MINIDOS	MEMDOS
Safety cabinet dimensions [H x W x D]	1200 x 1200 x 500*	1200 x 1200 x 500*	1200 x 1200 x 500*
Model	Mounting plate, collecting pan		
	Cabinet heating, ventilation, outlet socket for maintenance		
	Base for ground installation		

* Installation dimensions with control by customer

Dosing system type	MAGDOS	MINIDOS	MEMDOS
Safety cabinet dimensions [H x W x D]	1400 x 1600 x 500**	1400 x 1600 x 500**	1400 x 1600 x 500**
Model	Inductive flow measurement, control cabinet with control panel, leakage sensors incl. evaluation relays, complete electrical control for dosing pump(s) and software package.		
	Base for ground installation		

** Installation dimensions with automatic operation package option

Option bunker tank



Variant	Indoor installation	Outdoor installation
Volume	1 m ³ , 2 m ³ , 6 m ³	2 m ³ , 6 m ³
Accessories	PE tank manufactured from plate material, incl. filling, extraction and vent outlets, overflow monitor, leakage monitor, fill level indicator mechanical incl. 2 bistable limit value transducers.	
	Mounting kit	Rain collar / mounting kit
	-	Base for ground installation