

seko

Water & Industry

Solenoid-Driven Dosing Pumps 2025





Solenoid-Driven Dosing Pumps



Product Overview

						
Performance	Flow rate range [l/h]	2.5 - 110	2.5 - 110	0.4 - 110	3 - 5	0.2 - 5
	Pressure [up to - bar]	20	20	20	10	7
Installation Mode	Base mounted	•	•			
	Wall mounted			•	•	•
	Bracket for alternative mounting	•	•	•	•	
Power Supply	24 Vac			•	•	•
	230 Vac				•	•
	Wide range 100/240 Vac	•	•	•	•	
User Interface	Analogue			•	•	•
	Digital	•	•	•	•	
Stroke Length Regulation	Mechanical	•				
	Constant	•	•	•	•	•
Dosage Mode	Prop. digital signal (water meter)	•	•	•	•	
	Prop. analogue signal (mA)	•	•	•	•	
	ppm/batch	•	•	•	•	
	Timed (weekly programmable timer)	•	•	•	•	
	pH/ORP		•	•	•	
ATEX	Zone 2			•		
Communication	Wi-Fi	•	•			
	Modbus	•	•	•		
Pump Head	PVDF standard	•	•	•	•	
	PVDF-T standard					•
	Auto degassing PVDF	•	•	•		
	SS316L	•	•	•		
O-Rings	FKM-B	•	•	•	•	•
	EPDM	•	•	•	•	•
	PTFE	•	•	•		
	FFKM	•	•	•		
Installation Kit	PVDF	•	•	•	•	
	PVDF-T			•	•	•

Tekba-R & Tekba

Digital base-mounted dosing pumps

Tekba-R and Tekba are professional solenoid-driven dosing pumps that share a number of key characteristics while each offering their own unique benefits for specific water-treatment applications.

These precise, robust and reliable pumps also benefit from level input on all models and standard seals in FKM-B or EPDM, with special seals available for each model.



Applications



Agricultural water treatment



Food & beverage



Industrial water treatment



Potable water treatment



Wastewater treatment



Features & benefits



Chemical compatibility

PVDF pump head and delivery tubes and fittings plus ceramic ball valves provide pump longevity and compatibility with all principal water-treatment applications.



Reduced energy consumption

A stabilised multi power supply (100 - 240 Vac, 50/60 Hz) comes as standard, with its solenoid-driving algorithms, patented by SEKO, helping to reduce energy consumption.



Reliable and consistent

As well as protecting the pump itself and the environment, the driving algorithm compensates for power supply fluctuations, enabling precise and accurate dosing in any conditions.



Mechanical stroke adjustment available on Tekba-R version



Ease of installation

Pumps can be installed with the casing closed and without special tools.



Electrical safety

All electrical connections are available externally on circular IP65 connectors.



Long-life diaphragm

PTFE diaphragm, guaranteed for 5 years.



Simplified cabling

Cable connectors have internal screw terminals, facilitating a clean and professional installation with cables pre-cut to the correct size.

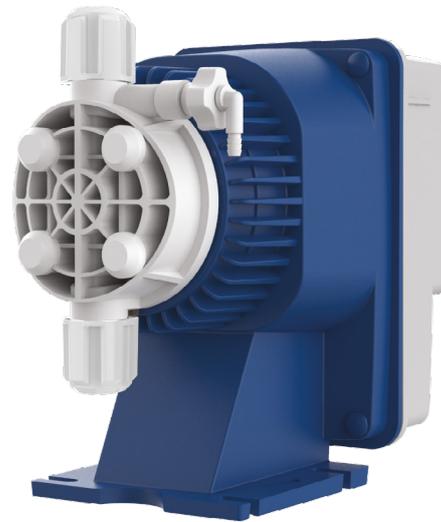


Tekba-R

Solenoid-driven pumps with mechanical stroke-length regulation

Tekba-R is a range of digital solenoid-driven dosing pumps with mechanical stroke-length regulation. It represents a state-of-the-art solution for its reliability, dosing precision and ease of use and has been designed in response to positive customer feedback on the Tekna Series. The Tekba-R Series offers a modern and reliable product, a reference point in the base-mounted dosing pump sector.

- Flow rate range: 2.5 – 110 l/h, up to 20 bar
- Wetted parts: PVDF, PTFE, FFKM, EPDM, FKM-B and Ceramic



Features

- Mechanical stroke length regulation
 - **EML:** Constant dosing at the desired flow rate
 - **EMG:** Multifunction:
 - 4 - 20 mA analogue input
 - Frequency input
 - Remote ON/OFF input
 - Directly connectable to a water meter
 - Dosage in ppm
 - Functions 1: N, N: 1, 1: 1
 - Timed dosing
 - Available with special seals in PTFE or FFKM
 - Available with Modbus RTU RS485 port
 - Available with Wi-Fi interface that allows:
 - Direct local connection to the pump for its programming via internal webserver
 - Connection to a Wi-Fi network for remote management via the SekoWeb app or online portal
- Tekba-R's unique features include a digital interface that allows programming via keyboard and display, while solenoid stroke adjustment can be performed with a mechanical knob for increased dosing precision.
 - Tekba-R is available in two models. The EML is a constant dosing pump with adjustable flow rate, while the EMG is a multifunction pump that includes operating modes timed or proportional to an analogue 4 - 20 mA signal, or to a digital signal such as that generated by a pulse-emitting water meter.
 - Tekba-R is also available with a Modbus interface, which allows the pump to be integrated into a more complex system in which other Modbus devices are already present. It's also available with a Wi-Fi interface which enables operation via the SekoWeb app or online portal.

Tekba-R key code

Model									
EML	Constant flow rate. Stroke length adjustable with a mechanical knob. Working frequency (strokes per minute) adjustable via digital interface. With level input.								
EMG	Multifunction pump. Stroke length adjustable with a mechanical knob. Working mode to be set via its digital interface.								
Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Ø Hydr Connections IN/EXT. [mm]	Frequency [stroke/min]	Consumption [W]	Weight [kg]	Packing size L x W x H [mm]	
600	20	2.5	0.35	4/6	120	20	3.9	290 x 255 x 220	
	18	3	0.42						
	14	4.2	0.58						
	8	7	0.97						
603	12	4	0.42	4/6	160	20	3.4	290 x 255 x 220	
	10	5	0.52						
	8	6	0.63						
800	2	8	0.83	4/6	300	20	4.4	290 x 255 x 220	
	16	7	0.38						
	10	10	0.55						
	5	15	0.83						
803	1	18	1.00	8/10	300	40	4.4	290 x 255 x 220	
	5	20	1.11						
	4	32	1.78						
	2	62	3.44						
	0.1	110	6.11						
Stroke-length regulation									
M	Mechanical regulation								
Power supply									
N	100 - 240 Vac, 50/60 Hz				Wide range				
Liquid end									
H						Body	Balls	Diaphragm	
A	Automatic degassing					PVDF	Ceramic	PTFE	
I						SS316L	SS316L	PTFE	
Installation kit									
H	PVDF								
O-Ring									
0	FKM-B								
1	EPDM								
2	PTFE								
3	FFKM								
Colour									
00	Standard		Back			Front			
			RAL7004			RAL5010			
Communication									
0	No								
W	Wi-Fi								
M	Modbus								
Customisation									
0	Standard								

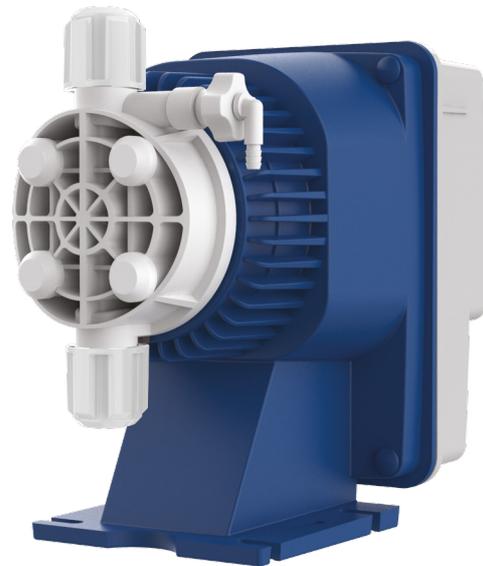
EMG	800	M	N	H	H	2	00	W	0
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Tekba

Base-mounted solenoid-driven dosing pumps

Tekba is a digital base-mounted solenoid-driven dosing pump. It represents the best compromise between reliability, dosing precision and ease of use and has been designed to satisfy the needs of the market. Tekba offers the same features and functions of the Tekba-R range, except its mechanical stroke regulation but with a wider selection of models that enable the series to meet a broader range of applications.

- Flow rate range: 2.5 – 110 l/h, up to 20 bar
- Wetted parts: PVDF, PTFE, FFKM, EPDM, FKM-B and Ceramic



Features

- **EML:** Constant dosing at the desired flow rate
- **EMG:** Multifunction
- **EMM:** Proportional (4 - 20 mA input)
- **EMC:** Proportional (digital pulse input)
- **EMR:** Instrument-pump with pH/ORP input
- Available with special seals in PTFE or FFKM
- Available with Modbus RTU RS485 port
- Available with Wi-Fi interface that allows:
 - Direct local connection to the pump for programming via internal webserver
 - Connection to a Wi-Fi network, for remote management via the SekoWeb app or online portal
- Alongside the constant and multifunction EML and EMG models, common to the Tekba-R range, the Tekba series includes two purely proportional models: EMM, which manages a 4 - 20 mA input and EMC, which accepts a pulse input.
- An EMR instrument-pump is also available, with an input for a pH/ORP probe. The EMG and EMR versions are also available with a Modbus communication port for integrating the pump into a more complex system, or with a Wi-Fi interface that allows the pump to be managed via SekoWeb.

Tekba key code

Model									
EML	Constant flow rate. Flow rate adjustable via digital interface. With level input.								
EMG	Multifunction pump. Working mode to be set via its digital interface.								
EMR	Instrument-pump. Dosage in function of the measured pH or redox value. PT100 probe input also available for thermal compensation.								
EMM	Proportional dosing to an analogue signal (4 - 20 mA).								
EMC	Proportional dosing to a digital frequency signal (pulse).								
Hydraulics		Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Ø Hydr Connections IN/EXT. [mm]	Frequency [stroke/min]	Consumption [W]	Weight [kg]	Packing size L x W x H [mm]
600		20	2.5	0.35	4/6	120	20	3.9	290 x 255 x 220
		18	3	0.42					
		14	4.2	0.58					
		8	7	0.97					
603		12	4	0.42	4/6	160	20	3.4	290 x 255 x 220
		10	5	0.52					
		8	6	0.63					
800		2	8	0.83	4/6	300	20	4.4	290 x 255 x 220
		16	7	0.38					
		10	10	0.55					
		5	15	0.83					
803		1	18	1.00	8/10	300	40	4.4	290 x 255 x 220
		5	20	1.11					
		4	32	1.78					
		2	62	3.44					
		0.1	110	6.11					
Stroke-length regulation									
N	Not available								
Power supply									
N	100 - 240 Vac, 50/60 Hz			Wide range					
Liquid end							Body	Balls	Diaphragm
H							PVDF	Ceramic	PTFE
A	Automatic degassing						PVDF	Ceramic	PTFE
I							SS316L	SS316L	PTFE
Installation kit									
H	PVDF								
O-Rings									
0	FKM-B								
1	EPDM								
2	PTFE								
3	FFKM								
Colour								Back	Front
00	Standard		RAL7004			RAL5010			
Communication									
0	Standard								
W	Wi-Fi								
M	Modbus RTU RS485								
Customisation									
0	Standard								

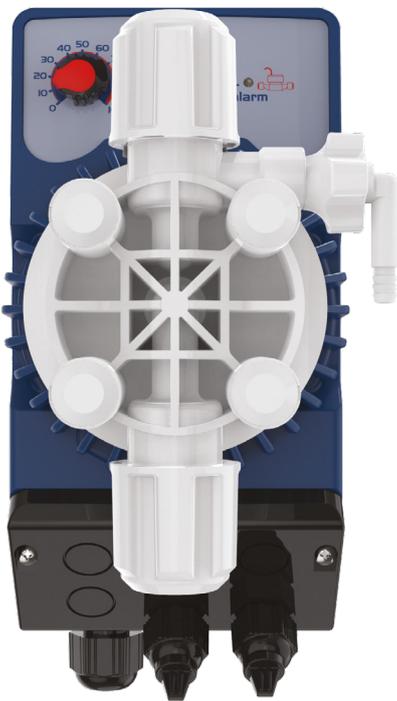
EMG 800 N N H H 2 00 W 0

Tekna & Kompact

Wall-mounted solenoid dosing pumps

Tekna and Kompact offer precise chemical dosing for water-treatment professionals, with multiple models serving distinct applications, from basic requirements to complex high-end processes.

Delivering consistent, repeatable results, Tekna and Kompact are the go-to solution for many potable and wastewater treatment processes, with SEKO's continuous refinement of these systems meaning they always meet the latest local and national legislation.



Applications



Commercial swimming pools



Cooling water treatment



Food & beverage



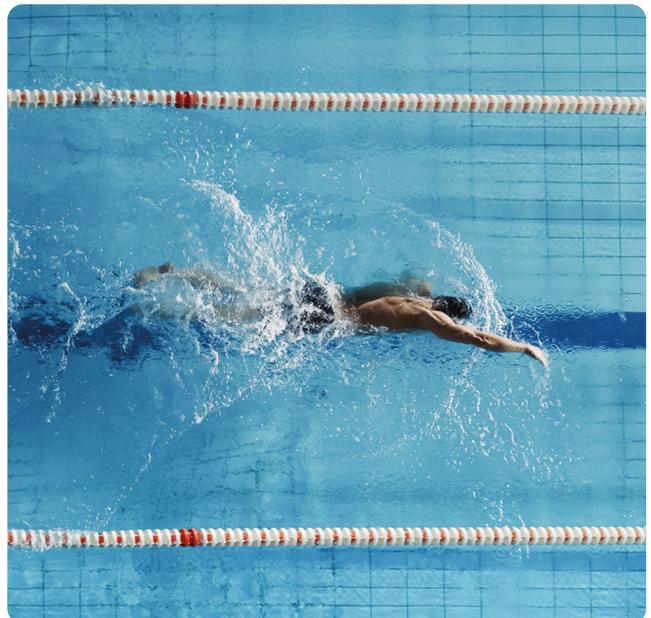
Industrial water treatment



Potable water treatment



Wastewater treatment



Features & benefits



Easy to fit

The installer-friendly bracket enables quick and simple wall mounting.



Premium seals

Available with special seals in FFKM or PTFE.



Quality and strength

Pump body comes in PVDF as standard.



Long-life diaphragm

PTFE diaphragm, guaranteed for 5 years.



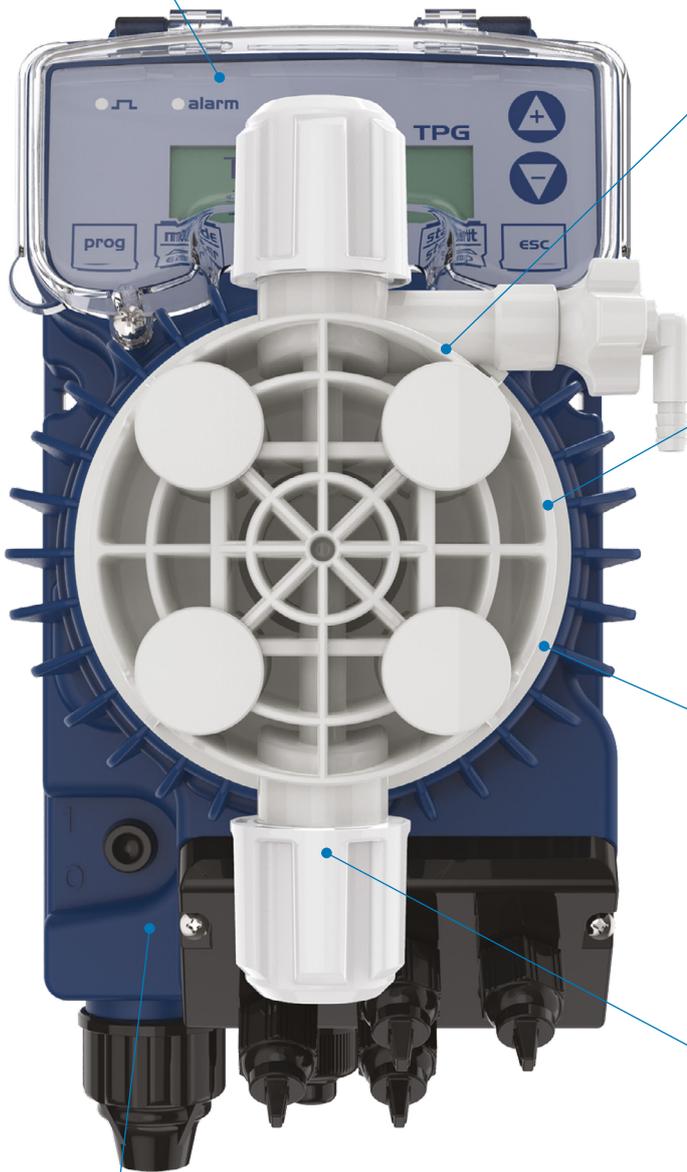
Reliable seals

Standard seals in FKM-B or EPDM.



Robust and reliable

Robust and reliable for extended service life.



Tekna

Wall-mounted solenoid-driven dosing pumps

Tekna is one of the most widespread, well-known and appreciated wall-mounted electromagnetic pump ranges in the world, a range that has evolved over the years by drawing upon the feedback of thousands of users across the globe. The series offers multiple models, with analogue and digital interfaces, able to satisfy every installation need and to offer a reliable and effective solution in any situation.

- Flow rate range: 0.4 – 110 l/h, up to 20 bar
- Wetted parts: PVDF, SS316L, PTFE, FFKM, EPDM, FKM-B and Ceramic
- Analogue and digital range with constant or proportional dosage



Features

- Pump body in PVDF
- Kit available in PVDF or PVDF-T
- Patented algorithm for driving the solenoid
- **AKS**: Constant, with analogic interface (potentiometer)
- **AKL**: Constant with level, analogic interface
- **APG**: Proportional dosing (4 - 20 mA/pulse), analogic interface
- **TPG**: Multifunction proportional dosing (4 - 20 mA/pulse), digital interface
- **TPR**: Instrument-pump with pH/ORP input, digital interface
- **TCK**: Weekly timed pump, digital interface
- Available in ATEX-certificated models (Zone 2)
- Models available with 24 Vac and 12 Vdc power supply
- Available with special seals in PTFE or FFKM
- Available with auto-degassing pump head in PVDF
- Available with Modbus RTU RS485 port for:
 - Integrating the pump in a more complex plant, locally managed by a PLC or an industrial PC, where other Modbus devices are already present
 - Connect the pump to a KommBox or a KommSpot and, through them, to the internet for management via the SekoWeb app or online portal
- Numerous Tekna models are available, with analogic or digital interface, to satisfy almost any request from the market.
- Tekna delivers reduced energy consumption thanks to an embedded stabilised multi-range power supply (100–240 Vac, 50/60 Hz). Thanks to the SEKO patented algorithm, the solenoid only draws the power strictly required to activate the pump, based on the actual working conditions, which improves pump efficiency and saves energy. The algorithm also compensates for any fluctuation of the power supply voltage, for giving a precise and accurate dosage in any condition.
- Tekna is also available in ATEX standard-compliant versions, with constant or proportional dosage functions and a digital interface. This model comes with a SS316L pump body as standard.

Tekna key code

Model	
AKS	Constant dosing, without input for level probe. Flow rate adjustable via analogic interface (potentiometer).
AKL	Constant dosage, with input for level probe. Flow rate adjustable via analogic interface (potentiometer).
APG	Proportional dosing to an analogue signal (4 - 20 mA) or to digital frequency signal (pulse). With analogic interface (potentiometer).
TPG	Multifunction pump. Proportional dosing to an analogue signal (4 - 20 mA) or to digital frequency signal (pulse). PPM mode, Timer mode, batch mode and others. Digital interface.
TPR	Instrument-pump. Dosage in accordance with the measured pH or redox value. PT100 probe input also available for thermal compensation. Digital interface.
TCK	Timed pump. Weekly programmable dosage, at the programmed flow rate, and other timed dosing modes. Digital interface.

Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Ø Hydr Connections IN/EXT. [mm]	Frequency [stroke/min]	Consumption [W]	Weight [kg]	Packing size L x W x H [mm]
500	20	0.4	0.06	4/7 delivery 4/6 suction	120	15	3.9	295 x 245 x 185
	16	0.8	0.11					
	10	1.2	0.17					
	6	1.5	0.21					
600	20	2.5	0.35	4/7 delivery 4/6 suction	120	20	3.9	295 x 245 x 185
	18	3	0.42					
	14	4.2	0.58					
603	12	4	0.42	4/6	160	20	3.4	295 x 245 x 185
	10	5	0.52					
	8	6	0.63					
	2	8	0.83					
800	16	7	0.38	4/6	300	20	4.4	295 x 245 x 185
	10	10	0.55					
	5	15	0.83					
803	1	18	1.00	8/12	300	40	4.4	295 x 245 x 185
	5	20	1.11					
	4	32	1.78					
	2	62	3.44					
	0.1	110	6.11					

Power supply		
N	100 - 240 Vac, 50/60 Hz	Wide range
O	24 Vac, 50/60 Hz	
L	12 Vdc	

Liquid end	Body	Balls	Diaphragm
H	PVDF	Ceramic	PTFE
A	Automatic degassing PVDF	Ceramic	PTFE
I	SS316L	SS316L	PTFE

Installation kit	
H	PVDF
P	PVDF-T
X	PVDF - 1.5 bar injection valve
0	Without kit (ATEX only)

O-Rings	
0	FKM-B
1	EPDM
2	PTFE
3	FFKM

Optional	
0	Standard
Optional/customisation	
00	Standard
M0	Modbus RTU RS485
X0	ATEX certification (TPG and TCK only)

TPG 603 N H H 0 0 00

Kompact

Compact wall-mounted solenoid-driven dosing pumps

Kompact is a range of simple, reliable and compact wall-mounted solenoid-driven pumps. Designed to provide an effective response to the differing needs of the market, the series comprises multiple models, both with analogic and digital interfaces, to meet the most common installation conditions.

- Flow rate range: 3 l/h @ 10bar; 5 l/h @ 8bar
- Wetted parts: PVDF, PTFE, EPDM, FKM-B and Ceramic
- Analogue and digital range with constant or proportional dosage



Features

- Pump body in PVDF
 - Kit available in PVDF or PVDF-T
 - **AMS:** Constant, with analogic interface (potentiometer)
 - **AML:** Constant with level, analogic interface
 - **AMC:** Proportional dosing (pulse), analogic interface
 - **DPT:** Multifunction proportional dosing (4 - 20 mA/pulse), digital interface
 - **DRP:** Instrument-pump with pH/ORP input, digital interface
 - Available with special seals in FFKM
- Kompact has been designed as a basic range of solenoid-driven pumps for less demanding applications without compromising on robustness and reliability.
 - With Kompact, SEKO has struck the perfect balance between using premium components that guarantee full chemical compatibility in multiple applications while ensuring affordability for the operator.
 - To satisfy every installation need, the range offers five different models, for constant and proportional dosages; three with an analogic interface (potentiometer) and two with a digital interface (keyboard and 2x8 display).

Kompact key code

Model									
AMS	Constant dosing, without input for level probe. Flow rate adjustable via analogic interface (potentiometer).								
AML	Constant dosage, with input for level probe. Flow rate adjustable via analogic interface (potentiometer).								
AMC	Proportional dosing to a frequency digital signal (pulse), analogic interface.								
DPT	Multifunction pump. Proportional dosing to an analogue signal (4 - 20 mA) or to digital frequency signal (pulse). PPM mode, Timer mode, batch mode and others. Digital interface.								
DRP	Instrument-pump. Dosage according to pH or redox value. PT100 probe input also available for thermal compensation. Digital interface.								
Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Ø Hydr Connections IN/EXT.[mm]	Frequency [stroke/min]	Consumption [W]	Weight [kg]	Packing size L x W x H [mm]	
200	10	3	0.31	4 / 6	160	12	2.7	210 x 130 x 170	
	8	5	0.52						
Power supply									
N	100 - 240 Vac, 50/60 Hz		Wide range						
A	230 Vac, 50 Hz (solo per AMS)								
O	24 Vac 50/60 Hz								
Liquid end				Body	Balls	Diaphragm			
H				PVDF	Ceramic	PTFE			
Installation kit									
E	PVDF-T								
H	PVDF								
X	PVDF - 1.5 bar injection valve								
Seals									
0	FKM-B								
1	EPDM								
3	FFKM								
Optional									
00	Standard								
Customisation									
0									
DPT	200	N	H	E	0	00	0		

Invikta

Compact water-treatment dosing pump

Invikta is among the most compact, easy-to-use and reliable solenoid-driven dosing pumps on the market today. Controlled via microprocessor, Invikta represents the most effective solution for many simple water-treatment applications and for integration as an OEM module in a larger system.



Applications



Automotive water treatment



Industrial water treatment



Potable water treatment



Swimming pool water treatment



Wastewater treatment



Features & benefits

Reliable seals
Standard seals in FKM-B or EPDM.

Priming tap
The priming tap helps to prime the pump at the first installation or when the chemical runs out.

Quality construction
The PVDF-T pump body has the same chemical compatibility of PVDF but at an affordable price.

Long-life diaphragm
PTFE diaphragm, guaranteed for 5 years.

Ease to set
Simple analogic interface: potentiometer and LED.

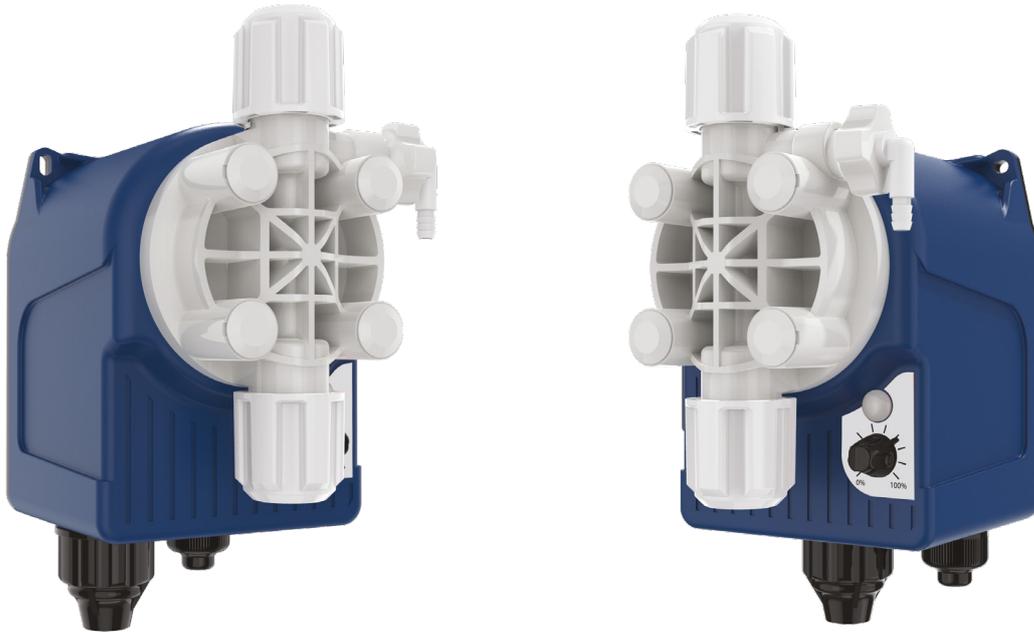
Simple operation
Bracket for wall mounting.

Invikta

The market's most user-friendly solenoid-driven dosing pumps

Invikta is among the most compact, easy-to-use and reliable solenoid-driven dosing pumps on the market today. Controlled via microprocessor, Invikta represents the most effective solution for many simple water-treatment applications and for integration as an OEM module in a larger system.

- Flow rate range: 0.2 – 5 l/h, up to 7 bar
- Wetted parts: PVDF-T, PTFE, EPDM, FKM-B and Ceramic



Features

- Pump body and fittings in PVDF-T
 - PTFE diaphragm, guaranteed for 5 years
 - Simple analogic interface: potentiometer and LED
 - **KCS**: Constant, without level, with adjustable flow rate
 - Standard seals in FKM-B or EPDM
 - Bracket for wall mounting
 - Bleed tap facilitates priming
 - **KCS Low-Noise** model available for spa applications
- The premium components chosen for the Invikta series ensure full chemical compatibility across multiple applications and guarantee long product lifespan. Invikta's PVDF-T pump body, ceramic balls and PTFE diaphragm (guaranteed for five years) reflect SEKO's commitment to product quality, whether affordable or high-end.
 - Invikta's compact dimensions and a truly minimal electronic control board allow SEKO to offer a cost-effective product that represents the right solution where simple functionality is a priority.
 - As with all other SEKO solenoid-driven pumps, Invikta is housed within a polypropylene casing and delivers IP65 protection. This provides excellent dust and water resistance, meaning Invikta can be used safely in a multitude of environments.

Invikta key code

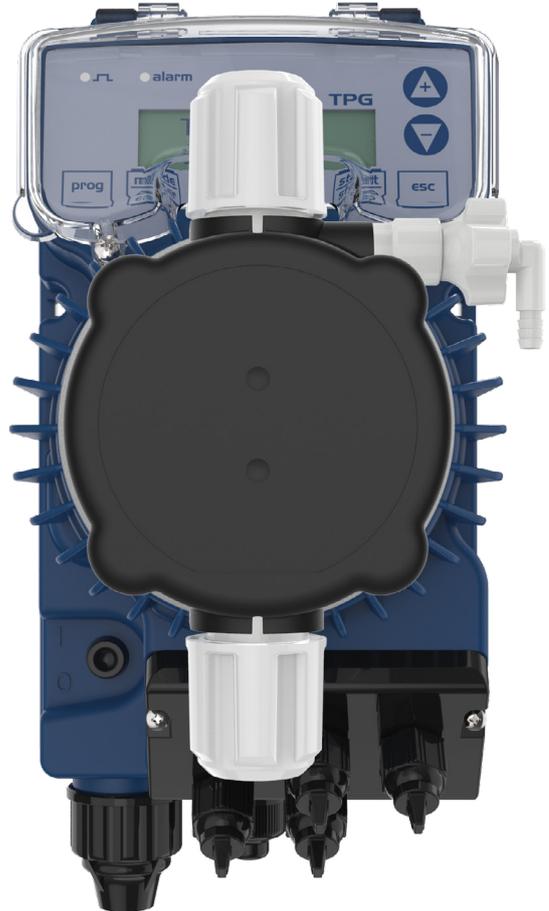
Model									
KCS	Constant dosing, without input for level probe. Flow rate adjustable via analogic interface (potentiometer).								
Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Ø Hydr Connections IN/EXT.[mm]	Frequency [stroke/min]	Consumption [W]	Weight [kg]	Packing size L x W x H [mm]	
620	1	0.2	0.17	4/6	20	15	2.5	190 x 130 x 170	Low-noise version
630	7	0.6	0.10	4/6	100	15	2.5	190 x 130 x 170	Low-flow version
632	7	2	0.33	4/6	100	15	2.5	190 x 130 x 170	
633	5	5	0.52	4/6	160	15	2.5	190 x 130 x 170	
Power supply									
A	230 Vac, 50 Hz								
0	24 Vac, 50/60 Hz								
Liquid end					Body	Balls	Diaphragm	O-ring	
VF					PVDF-T	Ceramic	PTFE	FKM-B	
VE					PVDF-T	Ceramic	PTFE	EPDM	
Installation kit									
K	Standard								
D	Detergent								
R	Rinse								
S	Only injection valve - Low-noise version								
Optional									
00	Standard								

KCS	630	A	VF	K	00
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Solenoid pump head covers

Customise your SEKO solenoid dosing pumps

SEKO brings an exciting customisation option to our solenoid-driven dosing pumps, with special pump head covers that give operators the chance to personalise their equipment with the branding or information of their choice.



Easily customised with your own adhesive label*



*Adhesive labels are not included

Solenoid pump head covers

Single part
Comprising a single part for ease of installation

Customisable
These covers are easily customised with an adhesive label

Easy to fit
The cover fits snugly and securely to the pump head and can be easily removed during maintenance

No modification is needed
No modification of the existing equipment is required

Pump Head Cover Model* Compatible with:

 Small	 Kompact	 Invikta
 Medium	 Tekna 603/800	
 Large	 Tekna 500/600	 Tekba 600/603/800
 X-Large	 Tekna 803	 Tekba 803

* Pump head covers are supplied in packs of 5

Globally Present, Locally Active



Twenty-three national SEKO companies across six continents means that, wherever you are, you enjoy the same exceptional level of service as every SEKO customer around the world.

And an accredited partner distributor network allows us to provide local customer support in over 120 countries, so you benefit from region-specific knowledge and rapid delivery of goods as well as world-class after-sales service and technical assistance.

SEKO Hub

A world of SEKO in one

For everyone from buyers and engineers to end users, SEKO Hub is the ultimate all-encompassing platform that brings you to the heart of SEKO and gives you what you need when you need it.

Bringing together essential documents such as manuals, case studies, data sheets and brochures as well as tutorial videos, favourite products, an appointment booking system and so much more, SEKO Hub is a central personalised platform to revolutionise the way you work.

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