

Tekba Series

Digital solenoid diaphragm dosing pumps
with mechanical stroke length regulation



4 Models that cover 0.25 to 110 l/h with a
backpressure up to 20 Bar

PVDF Pump Head and ceramic ball valves as
standard

Long life diaphragm, guaranteed for 5 years

innovation >
technology >
future >

seko

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Digital solenoid diaphragm dosing pumps with mechanical stroke length regulation



This pump represents the best compromise between reliability, dosing precision, and ease of use. Designed on the back of the positive customer experience gained from our Tekna Series, SEKO's Tekba Series offers a modern and reliable product, a reference point in the base mounted metering pump sector.

DISPLAY AND KEYPAD

Tekba is programmable using a keypad and the 2 line, 8 digit backlit display.

DOSING MODE

The pump head has a manual priming valve. The flow rate can be manually or automatically adjusted, the latter using input signals, across a range from 0 (pump stop) to 100% of the maximum flow rate. Additionally, it comes equipped with a low-level alarm to stop the pump.

MATERIALS USED IN THE PUMP HEAD

Body PVDF

Ball Valves Ceramic

O-Ring FPM/EPDM

Diaphragm PTFE

The parts that come into contact with the pumped liquid, have been chosen to be compatible with the chemicals most commonly found in use.



Technical characteristics

- Flow rates: from 0.25 to 110 l/h
- Max Pressure: 20 bar (290 psi)
- Manual priming valve
- Stroke length manually adjustable
- Stabilized Multi Power Supply 100÷240 Vac 50/60 Hz offering reduced consumption
- Stroke rate: up to 300 strokes/minute
- Pump head: PVDF
- Diaphragm: PTFE
- Enclosure: PP reinforced with fiber glass protection degree IP65
- Base mounting
- Installation Kit included

GUARANTEED 5 YEAR DIAPHRAGM WORKING LIFE

- The advanced design and manufacturing process allows SEKO's diaphragm to have a unique life expectancy
- The diaphragm has been tested to offer superior results and enable SEKO to offer a 5 year guarantee
- Made of pure solid PTFE, the diaphragm is compatible with most commonly found chemicals
- Routine diaphragm replacement is no longer a requirement, helping reduce operational costs

STEADY DOSING PERFORMANCE

Tekba Series comes with a Stabilized Multi Power Supply 100÷240 Vac 50/60 Hz offering reduced energy consumption

- Solenoid only draws the required power to activate the pump, based on the working conditions
- Improved pump efficiency as performance is not affected by power supply fluctuations

Overview

Tekba EML Manual adjustment with level control input

Manual adjustment via the control dial on the front panel which comes with indication of the percentage of frequency (P%) and the number of Stroke (F), with level probe input.



Tekba EMC Automatic control (Digital pulse signal input)

Equipped with a status indicator, level control input and 2 different modes of dosage:

- Constant – the pump constantly doses the rate manually input on keypad
- Proportional – the pump doses proportionally based on the digital pulse signal (e.g. from water meter).



Tekba EMM Automatic control (External analogue pulse signal)

Equipped with a status indicator, level control input, 2 different modes of dosage:

- Constant – the pump constantly doses the rate manually input on keypad
- Proportional – the pump doses proportionally based on an external analogue pulse signal (4÷20 mA)



Model

	Pressure (Bar)	Flow rate (l/h)	Stroke capacity (cc/stroke)	Int. / Ext. connect. (Ø mm)	Max. frequency (stroke/min)
600	20	2,5	0,35	4 / 6 in suction 4 / 7 in discharge	120
	18	3	0,42		
	14	4,2	0,58		
	8	3	0,97		
603	12	4	0,42	4 / 6	160
	10	5	0,52		
	8	6	0,63		
	2	8	0,83		
800	16	7	0,38	4 / 6	300
	10	10	0,55		
	5	15	0,83		
	1	18	1		
803	5	20	1,11	8 / 12	300
	4	32	1,78		
	2	62	3,44		
	0,1	110	6,11		



Worldwide Network

Thanks to flexible and reliable instruments, user friendly solutions, high technical skills and continuous improvement, we are selected as an ideal partner and we fastly increase our International presence.



For more information
www.seko.com

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