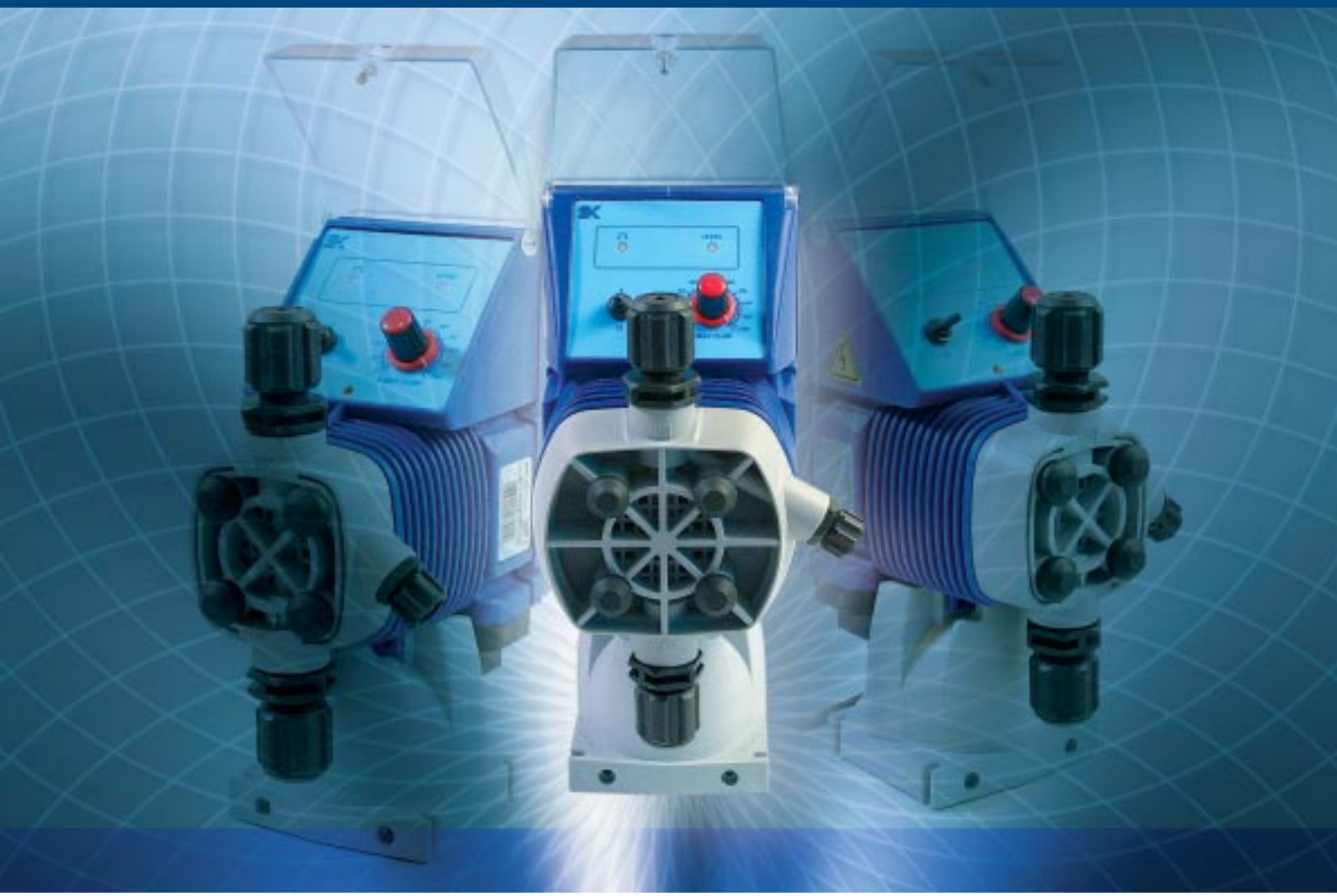
Electronic metering pumps
TEKNA series



Innovation > Technology > Future

Innovation > Technology > Future

Research and Development

Seko R&D staff of 23 people includes engineers and technicians that assure constant product development, complying with the ISO 9001 standard quality guidelines.

your dosing partner

Seko is the Italian leader in the dosing system industry with more than 25 years' experience.

Seko is at the head of the industry with operations in the world wide market and substantial investments in research and product development.

Customer Service

Seko's world wide sales network and customer service department provide information and technical support to its clients wherever they are.

Quality

A competent team supervises the manufacturing process so that the products are shipped to our customers only after rigorous quality control tests, perfomed by means of computerized trial systems.

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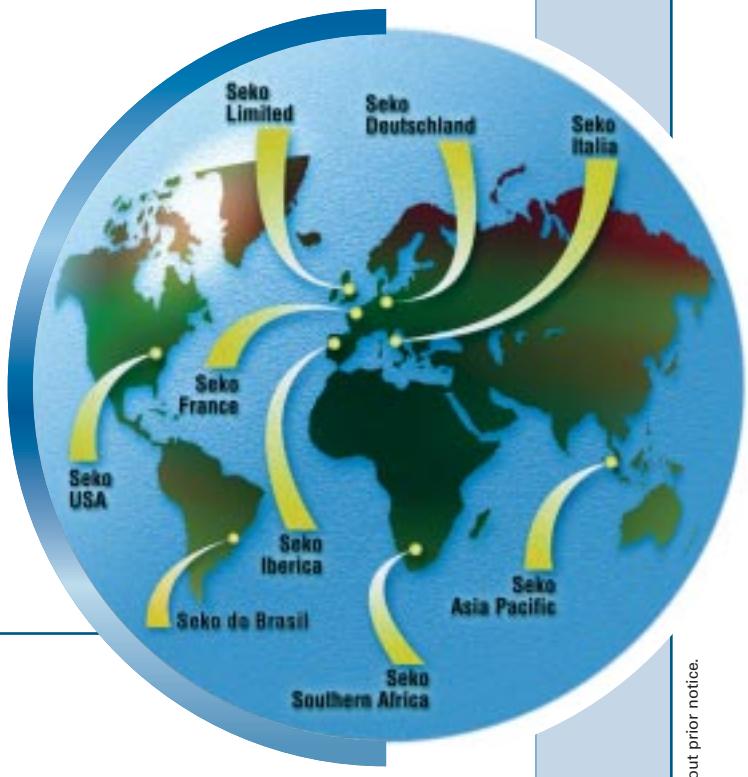
ELECTRONIC METERING PUMPS TEKNA SERIES



Seko ensures product distribution by its strong sales network composed of nine subsidiaries and world wide network of distributors.

DET NORSKE VERITAS

QUALITY SYSTEM CERTIFICATE

SEKO ITALIA S.p.A.

Via Salaria Km. 92,200 - 02010 S. Rufina di Cittaducale (RI) - Italy

UNI EN ISO 9001: 1994 (ISO 9001: 1994)

Versatility and range

The innovative TEKNA series electronic metering pumps is a result of SEKO's 25 years of working closely with our world-wide customers.

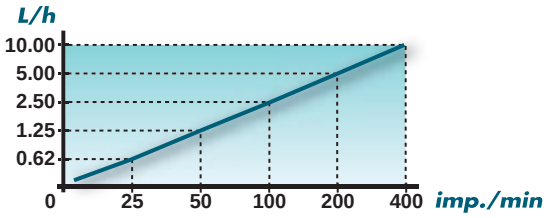
These multifunctional metering pumps maintain the high reliability that is synonymous with SEKO quality.

The fastest for a uniform dosing

The TEKNA series working at unprecedented 400 strokes/minute, allows a uniform dosing over a wide adjustement range.
It covers a wide range of performances with only a few models, providing simplicity in after sales service and parts requirements.

Flow rate in l/h at:			
400 imp/min	200 imp/min	100 imp/min	50 imp/min
25	12,5	6,25	3,13
11	5,5	2,75	1,37
5,3	2,65	1,32	0,67
2	1	0,5	0,25

l/h



Only one model for all chemical media

SEKO TEKNA series is equipped with liquid handling materials that guarantee a very wide chemical compatibility. The pump head made of Polypropilene reinforced with glass fibre, with PTFE diaphragm, unique double ball valve design and the absence of elastomers in contact with the dosed media TEKNA can work with almost all chemicals used in water treatement plants, swimming pools, cooling towers, galvanic plants etc. All pumps are equipped with a manual bleed valve integrated in the liquid end.

Reliability

All SEKO pumps are tested using modern technologies; their reliability is assured through use of high quality materials, intensive laboratory tests and life stress tests.

Every pump, is operated 6 hours at maximum speed before the final test.

Test Certificate with pressure/flow rate diagram made under customer specification is available as an option.

User interface

The control board is user friendly with simple flow adjustments. Each feature is easily identified through the built in keyboard and there in no symbol to be interpreted.

To avoid accidental modifications to parameters, a special procedure may be implemented.

Versatility and ruggedness

All TEKNA series have IP 65 rated enclosure made of Polypropilene reinforced with glass fiber.

This allows the pumps to be water and impact resistant and corrosion free.

Versatile installation as TEKNA series pumps allow for 3 fixing possibilities:

- wall mounting with only one fixing point;
- wall mounting with 2 or 4 fixing points;
- base mounting (on tank or existing wall mounting bracket with optional bracket).

Electronic dosing pump manual adjustement

TEKNA ACL

The dosing pumps series TEKNA ACL require only the electrical power supply to work.

Manual adjustable Flow rate by knob on the front of the pump by changing the number of strokes per minute from 0 to 400.

Frontal panel.

of **2 gauges leds**:

⎍	**Level**
Power supply and dosing signal led.	Pre-alarm and end of product signal led.

ON/OFF Switch and knob for flow rate percentage regulation.

Pumps have **level control** input connector inside the easy removable terminal box, designed for fast installation.

Code ordering system

PUMP TYPE	FUNCTION	MODEL	POWER SUPPLY	HEAD TYPE
A	CL	602	A	SP
ANALOGIC TEKNA series	Continous with level control input	See technical data Table 1 on page 13	See technical data Table 2 on page 13	See technical data Table 3 on page 13

Electronic metering pump

TEKNA AXL

The dosing pumps series TEKNA AXL require only the electrical power supply to work.

Manual adjustable Flow rate by knob on the front of the pump by changing the number of strokes per minute from 0 to 400.

Dual flow range scale

TEKNA AXL dosing pump is made with a dual flow rate range scale. By a simple switch is possible to **reduce of 1/10** the maximum dosing pump pulse frequency.

The operator pratically have at one's disposal two types of dosing pumps: **one dosing up to 400 strokes/min the other dosing up to 40 strokes/min**.

The **selector** positioned on frontal panel permits easy frequency range.

Frontal panel.

of **2 gauges leds**:

⎍	**Level**
Power supply and dosing signal led.	Pre-alarm and end of product signal led.

ON/OFF Switch and knob for flow rate percentage regulation.

Switch to reduce dosing frequency up to 90 % decreasing number of strokes/min from 400 to 40.

Pumps have **level control** input connector inside the easy removable terminal box, designed for fast installation.

Code ordering system

PUMP TYPE	FUNCTION	MODEL	POWER SUPPLY	HEAD TYPE
A	XL	602	A	SP
ANALOGIC TEKNA series	Dual flow range scale with level control input	See technical data Table 1 on page 13	See technical data Table 2 on page 13	See technical data Table 3 on page 13

Electronic metering pump

TEKNA DCL

he dosing pumps series TEKNA DCL require only the electrical power supply to work, with liquid crystal display and 4-key tactile keypad.

Flow rate regulation value, **regulation mode** (frequency or percentage) and **alarm signals** are all indicated on the pump LCD display.

Flow rate is adjustable, changing the number of strokes per minute **(F)** from 1 to 400 or changing the percentage of flow rate **(P)** from 0 to 100%.

The pump adapts automatically his parameters **F** (Frequency) and **P** (Percentage).

Example: *regulating pump dosing percentage (P) at 50% of max flow rate, the pump electronic circuit, will change automatically (F) to 200 strokes/min that amount at 50% of max dosing frequency.*

PRIMING
The pump primes itself pressing frequency keys at the same time. This operation will not change regulation parameters.

Pumps have **level control** input connector inside the easy removable terminal box designed for fast installation.

Code ordering system

PUMP TYPE	FUNCTION	MODEL	POWER SUPPLY	HEAD TYPE
D	CL	602	A	SP
DIGITAL TEKNA series	Continous with level control input	See technical data Table 1 on page 13	See technical data Table 2 on page 13	See technical data Table 3 on page 13

Electronic metering pump

TEKNA DPG

TEKNA DPG series is a proportional metering pump that combines the constant function described above and all proportional functions into the same pump, with liquid crystal display and 6-key tactile keypad.

PULSE CONTROL

The pumps will accept dry contact inputs and dose proportionally to the input pulse frequency.

The pumps manage the input pulses in various ways:

1:n **PULSE STEP-UP**

It's a multiplying proportional mode. By entering a value, in the range 1 and 9999, for parameter n, the step-up ratio is set,i.e. step-up with: n=100, 1 pulse = 100 pump strokes • n = 250, 1 pulse = 250 pump strokes. External Pacing is obtained by setting n=1.

n:1 **PULSE STEP-DOWN**

It's a dividing proportional mode. By entering a value, in the range 1 and 9999, for parameter n, the step-down ratio is set, i.e. step-down with:
n=500, 500 pulses = 1 pump stroke
n = 25, 25 pulses = 1 pump stroke.
External Pacing is obtained by setting n=1.

Memory **MEMORY**

External pulses or manual START arriving whilst the pump is delivering a previous set of n or c strokes can be registered and worked off. The storage capacity is of 65535 external pulses or manual START.

When the memory is not empty the memory icon flashes. When the memory is full the red led on the front panel is ON and the alarm relay is activated (if available).

0/4 - 20 **20- 0/4**

PROPORTIONALITY TO 0/4-20 mA ANALOG SIGNAL

Analog signal can be used to control the stroking rate proportionally to a 0/4-20 mA signal. Direct (stroke rate increase proportionally to 0/4-20 mA signal) or inverse (stroke rate increases proportionally to 0/4-20 mA signal decrease), response is selectable Maximum or Minimum stroke frequency can be set.

Level **LEVEL CONTROL**

Two inputs for an early warning alarm and a lack of chemical alarm. An alarm relay may be provided as an optional. The alarm conditions are easily visible through the Level icon on the display, the red Alarm led flashing (early warning) or constantly lit (lack of chemical); the alarm (upon request) relay is activated.

Code ordering system

PUMP TYPE	FUNCTION	MODEL	POWER SUPPLY	HEAD TYPE
D	PG	602	A	SP
DIGITAL TEKNA series	Proportional	See technical data Table 1 on page 13	See technical data Table 2 on page 13	See technical data Table 3 on page 13

Electronic metering pump

TEKNA DPZ

With liquid crystal display and 5-key tactile keypad.

TEKNA DPZ accept dry contact inputs and dose proportionally to the input pulse frequency.

The pumps manage the input in two ways:

n:1 **n:1 MODE**

It's a multiplying proportional mode. By entering a value, in the range 1 and 9999, for parameter n, the step-up ratio is set, i.e. step-up with:

n = 100, 1 pulse = 100 pump strokes
n = 250, 1 pulse = 250 pump strokes.

In this mode, the dosage rate with n can be adjusted by varying the percent value on display. This double adjustment feature enables our pumps to adapt to water meters with any pulse/liter ratio.

1:n **1:n MODE**

It's a dividing proportional mode. By entering a value, in the range 1 and 9999, for parameter n, the step-down ratio is set, i.e. step-down with:

n=500, 500 pulses=1 pump stroke
n = 25, 25 pulses=1 pump strokes.

In this mode the pump stroke rate is adapted to the time period between two subsequent pulses.

Memory **MEMORY FUNCTION**

External pulses arriving whilst the pump is delivering a previous set of n strokes can be registred and worked off.

The storage capacity is 65535 external pulses. When the memory is not empty the memory icon flashes.

When the memory is full the red led on the front panel is ON and the alarm relay is activated (if available).

Level **LEVEL CONTROL**

Two inputs for an early warning alarm and a lock of chemical alarm.

An alarm relay may be provided as an optional.

The alarm conditions are easily visible through the level icon on the display, the red alarm led flashing (early warning) or constantly lit (lack of chemical); the alarm relay is activated (if available).

Code ordering system

PUMP TYPE	FUNCTION	MODEL	POWER SUPPLY	HEAD TYPE
D	PZ	602 (•)	A	SP
DIGITAL TEKNA series	Proportional to external digital signals	See technical data Table 1 on page 13	See technical data Table 2 on page 13	See technical data Table 3 on page 14

Proportional elctronic metering pumps with control instrument build-in

TEKNA DPR

Seko group has completed his innovatory TEKNA metering pumps with the new DPR version uniting the great versatility of these pumps and the high quality of control and measure meters. Developed by SEKO after many years of planning and realizations in the industrial instrumentation field.

Both pH and Redox Controller

DPR Tekna pump is able to work out both as pH measure,control and regulation and as Redox, simply switching a key positioned on the pump.

Using the probe and the buffer solutions, just one unit allow to face most of the needs related to small water treatment plants.

Automatic calibration

The calibration, got with one key pressing and the possibility to control automatically the probe efficiency make this product an ideal partner during plant installation and maintenance steps.

Standard distinctive features

- Level detector connection facility (suggested accessory: LEV-4 level detector).
- 4-20 mA Output on the controller reading range.
- Proportional dosing between measure range settled by the user.
- pH Measure range: 0…14; resolution 0.1 or 0.01 settled by user.
- Redox measure range: -999…+999mV; resolution:1 mV.

ALARM

Alarm icon on the display Combined with the red led indicate the following Tekna DPR alarm situations.

- Chemical product level
- Measure level alarm overmounting
- Negative calibration result
- Uncorrect software running

Code ordering system

PUMP TYPE	FUNCTION	MODEL	POWER SUPPLY	HEAD TYPE
D	PR	602 (*)	A	SP
DIGITAL TEKNA series	Proportional with instruments	See technical data Table 2 on page 13	See technical data Table 2 on page 13	See technical data Table 3 on page 13

(*) Available 601, 602, 901 and 902 models

Electronic metering pump

TEKNA DCK

TEKNA DCK metering pumps are evidence of a product evolution in terms of materials, design and simplicity of use, with liquid crystal display and 3-key tactile keypad.

The pump can be programmed for **a specific quantity of product to be metered each time it starts up** (maximum 8 times a day). The quantities can be set to be **identical** every day of the week. It is possible also to programme the **8 daily working periods** so that the quantities are different on each day of the week. This feature makes the **TEKNA DCK** extremely versatile for all timed applications.

- The **display** showing all informations required by the user both for programming and while the pump is running. This makes it easy for the user to check progress at any time during metering and programming.
- The **possibility of calibrating the output of the pump** enables the user to carry out very precise metering, also on the basis of his own specific requirements.
- The metering pump has a **relay** that **can be activated at the time of each metering event**, with the possibility of making it start earlier (**BEFORE function**) or later (**AFTER function**) the metering time.
- The pump has a **level control** enabling the end of the chemical product to be detected. This alarm condition is signalled by the **LEV** icon, which lights up on the display.

Code ordering system

PUMP TYPE	FUNCTION	MODEL	POWER SUPPLY	HEAD TYPE
D	CK	602 (*)	A	SP
DIGITAL TEKNA series	Timed by digital clock	See technical data Table 1 on page 13	See technical data Table 2 on page 13	See technical data Table 3 on page 13

(*) Available 601, 602 models

Technical data

Model	Back Pressure	Flow Rate	Cm³/Stroke	Connections	Stroke/Minute	Weight
	Bar	*L/h*		*In/Out*		*Kg*
600	20	2	0,08	4/7	400	1,7
601	12	2,5	0,10	4/6	400	1,7
	10	3	0,13			
	6	3,5	0,15			
602	8	5	0,21	4/6	400	1,7
	5	6	0,25			
	1	8	0,33			
901	16	6	0,25	4/6	400	3,1
	14	7	0,29			
	12	8	0,33			
902	10	10	0,42	4/6	400	3,1
	6	12	0,50			
	2	14	0,58			
903	5	20	0,83	8/12	400	3,2
	3	28	1,17			
	1	45	1,88			
904	2	45	1,88	8/12	400	3,2
	1	60	2,50			
	0	70	2,92			

Data obtained with water at ambient temperature and suction height 1,5 metres. For outdoor installation with direct sun exposure use black delivery tube.

2

Power Supply
A = 230 VAC • 50-60Hz
B = 24 VAC • 50-60Hz*
C = 115 VAC • 50-60Hz

Isolation class	Protection degree	Working temperature
F	IP65	-10...40 °C

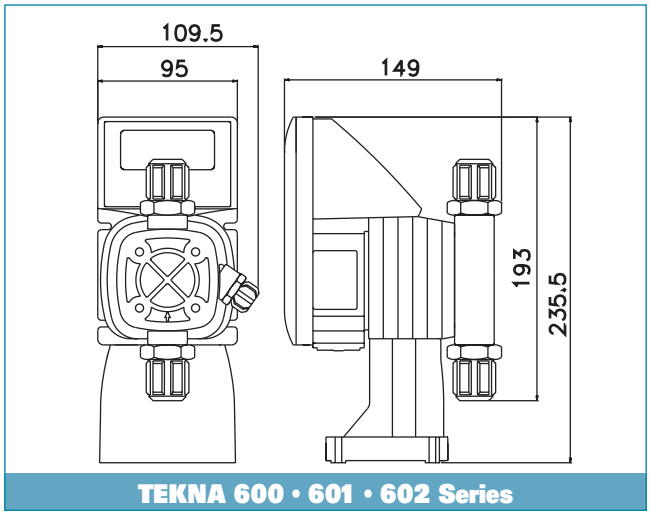
Pump is supplied with 1,5 metre power supply cable and european plug.

** Please contact us for available products.*

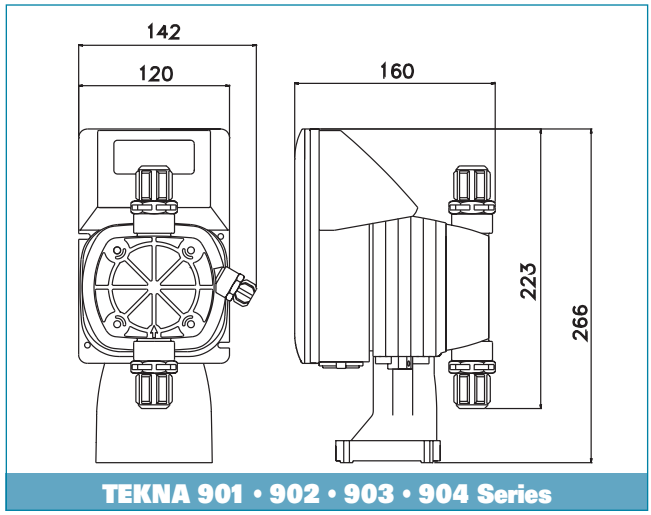
3

Liquid contacted materials	Head type	Pump Head	Connectors	Valve balls	Seals	Diaphragm
	SP	PP	PP	Pyrex	FPM or EPDM	PTFE
	SC	PP	PP	Ceramic	FPM or EPDM	PTFE
	FP	PVDF	PP	Pyrex	FPM or EPDM	PTFE
	FC	PVDF	PP	Ceramic	FPM or EPDM	PTFE
	HP	PVDF	PVDF	Pyrex	FPM or EPDM	PTFE
	HC	PVDF	PVDF	Ceramic	FPM or EPDM	PTFE

Dimensions

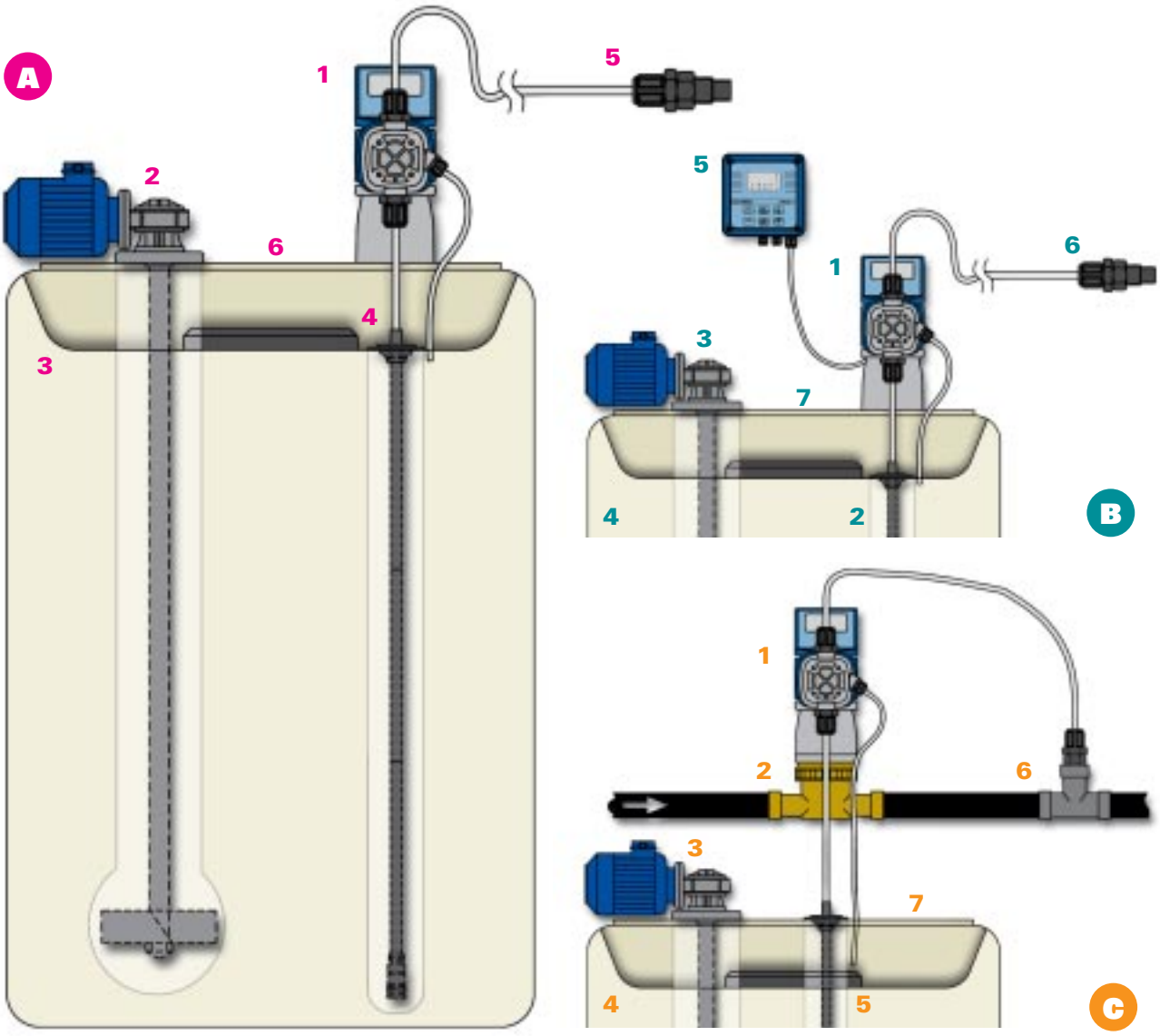


TEKNA 600 • 601 • 602 Series



TEKNA 901 • 902 • 903 • 904 Series

INSTALLATION



A *Installation with* ***dosing unit***

1. Tekna series dosing pump models: ACL, AXL, DCL, DPZ, DPG.
2. Electric mixer
3. Polyethylene tank suitable for chemical products.
4. Suction device with or without level control.
5. Injection valve.
6. PVC reinforcement

B *Installation with* ***control instrument***

1. Tekna series dosing pump models: DPG, DCL, AXL, ACL
2. Suction device with or without level control.
3. Electric mixer.
4. Polyethylene tank suitable for chemical products.
5. Control instrument.
6. Injection valve.
7. PVC reinforcement

C *Installation with* ***pulse-emitter water meter***

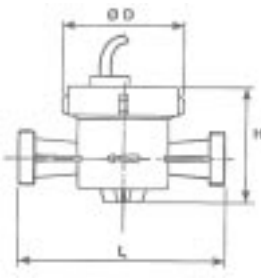
1. Tekna series dosing pump models: DPG, DPZ.
2. Pulse-sender water meter.
3. Electric mixer.
4. Polyethylene tank suitable for chemical products.
5. Suction device with or without level control.
6. Injection valve.
7. PVC reinforcement

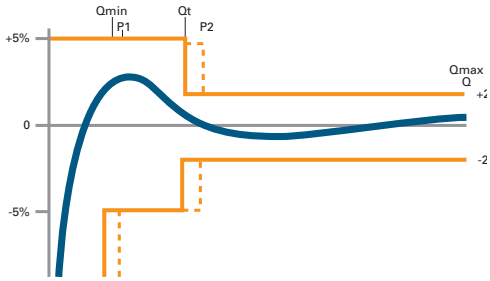
THREADED WATER METERS

The meters wich we offer have high precision and sensitivity according to CEE standard requirements.

Their plastic and metallic parts, in particular those in contact with water, comply with current regulations and are subject to extensive checks and controls.

Hidraulic data





Size	mm		13	20	25	30	40	50
	Inch		1/2	3/4	1	1 1/4	1 1/2	3
Max flow (short period)	Q max	m³/h	3	5	7	10	20	30
Nominal flow	m³/h	Qn	1,5	2,5	3,5	5	10	15
Min flow (accuracy ±5%)	Q min	l/h	30	50	70	100	200	450
Transition flow (accuracy ±2%)	Qt	l/h	120	200	280	400	800	3000
Maximum reading	m³		10.000	10.000	100.000	100.000	100.000	100.000

Dimensions

Size	mm		13	20	25	30	40	50
	Inch		1/2	3/4	1	1 1/4	1 1/2	3
Length without adapters	L	mm	110	130	160	160	200	300
Length with thread	mm		190	228	260	280	340	472
Width	D	mm	80	80	100	100	110	152
Height	H	mm	90	90	120	120	130	200

Models

Series CB	CB4 (4 pulse/l)	CB1 (1 pulse/l)
CONNECTIONS	Inch	mm
	1/2	13
	3/4	20
	1	25
	1 1/4	30
	1 1/2	40
	2	40

Single jet water meter, wet dial, roller reading for cold water up to 50° C.

Series CN	CN4 (4 pulse/l)	CN1 (1 pulse/l)
CONNECTIONS	Inch	mm
	1/2	13
	3/4	20
	1	25
	1 1/4	30
	1 1/2	40
	2	40

Single jet water meter, wet dial, roller reading for cold water up to 50° C. For mounting electronic dosing pump.

Series RBF		
CONNECTIONS	Inch	mm
	1/2	13
	3/4	20
	1	25
	1 1/4	30
	1 1/2	40
	2	40

Single jet water meter, wet dial, roller reading for cold water up to 50° C. Without pulse sender.

Series HB	HB4 (4 pulse/l)	HB1 (1 pulse/l)
CONNECTIONS	Inch	mm
	1/2	13
	3/4	20
	1	25
	1 1/4	30
	1 1/2	40
	2	40

Single jet water meter, wet dial, roller reading for hot water up to 90° C.

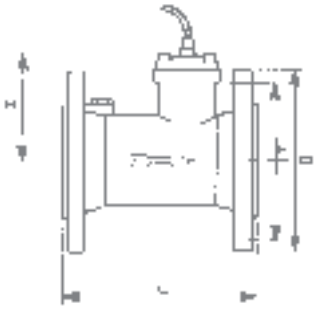
Accessories

FLANGED WATER METERS

The meters wich we offer have high precision and sensitivity according to CEE standard requirements. Their plastic and metallic parts, in particular those in contact with water, comply with current regulations and are subject to extensive checks and controls.

Series WPI	WPI 1000	WPI 100	WPI 10
L/pulse	1000	100	10
Connections DN (mm)	50	50	50
	65	65	65
	80	80	80
	100	100	-
	150	-	-
	200	-	-

Water meters, with reading, for cold water up to 40°.



Dimensions

Size	DN		50	65	80	100	150
	Inch		2	2 1/2	3	4	6
Length	L	mm	200	200	200	250	300
Width	D	mm	165	185	200	220	285
Height	H	mm	108	125	125	135	165
Flange holes	Ø	mm	18	18	18	18	22
	n°		4	4	4	8	8
	E	mm	125	145	160	180	240

Hydraulic data

Size	DN		50	65	80	100	150
	Inch		2	2 1/2	3	4	6
Max flow (short period)	Qmax	m³/h	30	50	80	120	300
Flow rate with 0.1 bar loss charge		m³/h	20	55	65	120	300
Nominal flow	Qn	m³/h	15	25	40	60	150
Min flow (accuracy ± 5%)	Qmin	m³/h	1.2	3	3.2	4.8	12
Transition flow (accuracy ± 2%)	Qt	m³/h	4.5	7.5	12	18	45

Accessories

TANKS • REINFORCEMENT

Our tanks are designed to assemble dosing group with mixers and motor driven pumps or solenoid dosing pumps. All are made of food-safe polyethylene, resistant to almost all chemicals normally encountered.

Model	Capacity (l)	Height (cm)	Diameter (cm)
SER 50	50	45.5	40
SER 100	100	64	45
SER 250	250	87	59,5
SER 300	300	95	67
SER 500	500	118.5	76
SER 1000	1000	122	108.5

Tank reinforcement made of PVC (high 20 mm) to be used to install mixers and motor driven pumps or solenoid dosing pumps.

Model	Tank	Model	Tank	Model	Tank	Model	Tank	Model	Tank
SML 100	SER 100	SML 250	SER 250	SML 300	SER 300	SML 500	SER 500	SML 1000	SER 1000

Accessories

MIXERS

Electric mixers threephase (singlephase on request) and flange attachment. For the tanks.

Materials in contact with the liquid: **atoxic PVC or SS 316. speed: 1400 or 70 rpm.**

Series **M1**

FAST MIXERS (1400 RPM)

Models	Material	Shaft length (mm)	Motor	Propeller diameter (mm)
M1-P-55-T	PVC	550	0,08 Kw THREEPHASE	80
M1-S-55-T	AISI 316	550	0,08 Kw THREEPHASE	110
M1-P-55-M	PVC	550	0,08 Kw SINGLEPHASE	80
M1-S-55-M	AISI 316	550	0,08 Kw SINGLEPHASE	110
M1-P-80-T	PVC	800	0,18 Kw THREEPHASE	90
M1-S-80-T	AISI 316	800	0,18 Kw THREEPHASE	150
M1-P-80-M	PVC	800	0,18 Kw SINGLEPHASE	90
M1-S-80-M	AISI 316	800	0,18 Kw SINGLEPHASE	150

Series **M2**

SLOW MIXERS (70 RPM)

Models	Material	Shaft length (mm)	Motor	Propeller diameter (mm)
M2-P-55-T	PVC	550	0,18 Kw THREEPHASE	220
M2-S-55-T	AISI 316	550	0,18 Kw THREEPHASE	220
M2-P-55-M	PVC	550	0,18 Kw SINGLEPHASE	220
M2-S-55-M	AISI 316	550	0,18 Kw SINGLEPHASE	220
M2-P-80-T	PVC	800	0,18 Kw THREEPHASE	220
M2-S-80-T	AISI 316	800	0,18 Kw THREEPHASE	220
M2-P-80-M	PVC	800	0,18 Kw SINGLEPHASE	220
M2-S-80-M	AISI 316	800	0,18 Kw SINGLEPHASE	220

Accessories

SUCTION DEVICES

Suction devices are user-friendly pre-assembled units that connect a dosing pump to the chemical that must be dosed.

Their main element is a foot valve, that allows accurate operation of the metering pump or makes metering of small quantities possible at all.

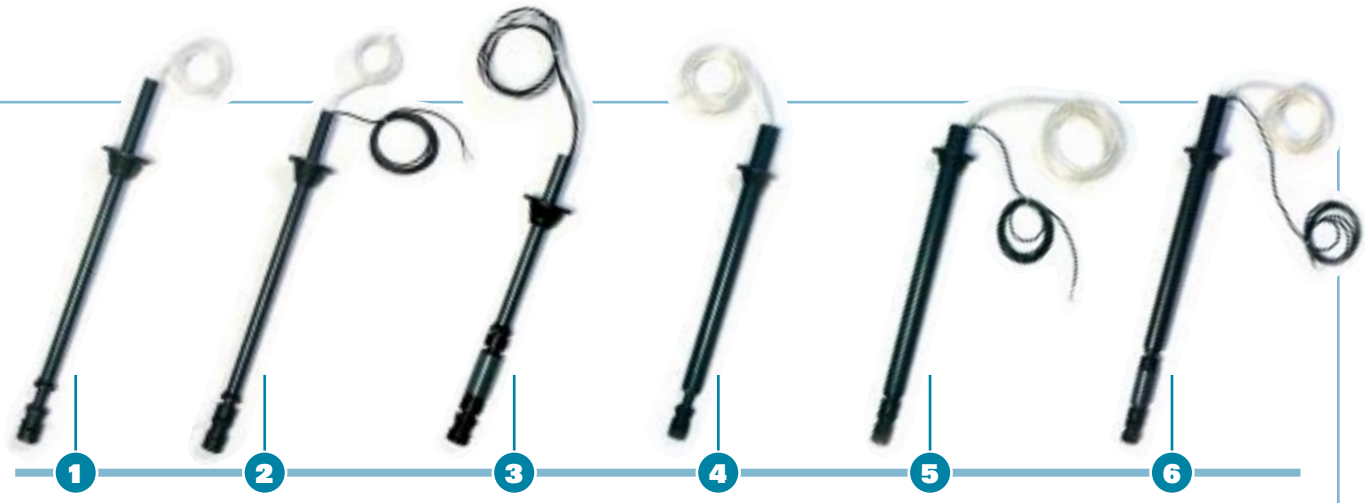
A suction filter is provided to protect pump valves from undesired substances that should compromise the flow rate.

Suction devices can also be supplied with integral level controls. These allow the use of alarms, and protect against the system running dry.

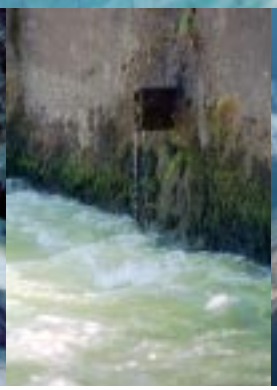
- ***Easy to install***
- ***High reliability and low maintenance cost needed***
- ***Standard FPM seals (EPDM upon request)***
- ***Suitable for all general applications***
- ***Made of PCV/PP with clear PVC suction tubing***
- ***Two different tubing sizes (4x6 and 8x12)***
- ***Level control cable always protected against chemical attack***
- ***Level control through a 0.4A at 230 Vac reed switch rated***
- ***All suction devices are provided with a foot filter***
- ***All suction devices are provided with a non return valve***
- ***All suction devices have tank connections facility***

ACCESSORIES

			
Tank cap adaptor	**Level probe only**	**Extension module**	**Level probe protection tube**



Ref.	Code	Tube 4x6	Tube 8x12	Foot Filter	Dimensions (mm) length x diam.	Level control	Tank cap adaptor	No return valve	Tank suitability
1	9900100074	•		•	450x22		•	•	SER 50
2	9900100075	•		•	450x22	1 LEV	•	•	
3	9900100092	•		•	450x22	2 LEV	•	•	
4	9900100076		•	•	450x34		•	•	
5	9900100077		•	•	450x34	1 LEV	•	•	
6	9900100095		•	•	450x34	2 LEV	•	•	
1	9900100085	•		•	650x22		•	•	SER 100
2	9900100087	•		•	650x22	1 LEV	•	•	
3	9900100094	•		•	650x22	2 LEV	•	•	
4	9900100089		•	•	650x34		•	•	
5	9900100165		•	•	650x34	1 LEV	•	•	
6	9900100097		•	•	650x34	2 LEV	•	•	
1	9900100084	•		•	900x22		•	•	SER 250
2	9900100086	•		•	900x22	1 LEV	•	•	
3	9900100093	•		•	900x22	2 LEV	•	•	
4	9900100088		•	•	900x34		•	•	
5	9900100090		•	•	900x34	1 LEV	•	•	
6	9900100096		•	•	900x34	2 LEV	•	•	
1	9900100158	•		•	1050x22		•	•	SER 300
2	9900100160	•		•	1050x22	1 LEV	•	•	
3	9900100154	•		•	1050x22	2 LEV	•	•	
4	9900100162		•	•	1050x34		•	•	
5	9900100166		•	•	1050x34	1 LEV	•	•	
6	9900100156		•	•	1050x34	2 LEV	•	•	
1	9900100159	•		•	1250x22		•	•	SER 500 SER 1000
2	9900100161	•		•	1250x22	1 LEV	•	•	
3	9900100155	•		•	1250x22	2 LEV	•	•	
4	9900100163		•	•	1250x34		•	•	
5	9900100167		•	•	1250x34	1 LEV	•	•	
6	9900100157		•	•	1250x34	2 LEV	•	•	



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