

FIMARS

METERING PUMPS



SOL
Series

SOLENOID PUMPS CATALOGUE



WE CARE ABOUT YOUR METERING NEEDS

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FIMARS SA



SOLENOID PUMP SOL SERIES

● SOL 150

Constant flow rate dosing pump with pulse frequency regulation. Proportional mode 1:N or 4-20mA. Easy to set, with a single adjustment potentiometer and a led.

◆ Technical Features:

- Flow rate: 0-5 l/h
- Pressure: up to 8 bar
- Max stroke rate: 150 spm
- Solenoid actuated PTFE diaphragm
- Safe: leak free operation, no external moving parts
- Robust, compact reliable design
- Pump-head with manual priming system
- Standard level probe compatibility
- Manual adjustment, Pulse frequency regulation
- Proportional mode 1:N or 4-20 mA
- Wall fixing bracket, PE injection pipe, PVC crystal bleed pipe, PP foot valve M², gas included in the installation kit

◆ Liquid End Standard Materials*:

- Pump Head	PP	- O-rings	VITON
- Diaphragm	PTFE	- Spring loaded injection valve	HASTELLOY-PYREX
- Balls	PYREX	- Injection fitting	PP
- Body Valve	PP	- Foot valve	PP

*UPON REQUEST: Pump Head-PVDF; Balls-PTFE/Ceramic; Body Valve-PVDF; O-Rings-Dutral; Spring Loaded Injection Valve- Hastelloy/PTFE; Injection Fitting-PVDF; Foot Valve-PVDF

MODEL CODE	FLOW RATE (l/h)	PRESSURE (bar)	STROKES (spm)	INJECTION VOL (µl/stroke)	CONSUMPTION (ml/d)	CONNECTIONS STD (mm)	PUMP HEAD
SOL 150A	1.5	5	120	0.22	16	4x8	PP1/2"
SOL 150B	3	7	120	0.42	16	4x8	PP1/2"
SOL 150C	5	8	150	0.56	16	4x8	PP1/2"



SOL 150

Proportional and constant mode



◆ Accessories:

- PE Tank



- Level Probe with BNC



- Suction Lance



SOLENOID PUMPS SOL SERIES

● SOL 999

Multifunction solenoid driven dosing pump with constant and proportional dosing. Versatile and fully programmable suitable for any application.

Technical Features:

- Digital multifunction solenoid driven metering pump with constant and proportional modes.
- High impact PBT housing suitable for high temperature environments and fluids.
- Level probe input.
- Digital injection frequency setting 0-100%.
- Power supply: 240VAC – 50/60Hz.
- On-Off switch.
- IP65 protection.
- Digital control and settings by five keys and LCD display backlight 2x16.
- Manual air bleed valve for quick priming.
- Ready for wall or foot mounting at installation site (brackets included).

Liquid End Standard Material*:

- Pump Head	PP/PVC	- O-rings	VITON
- Diaphragm	PTFE	- Spring loaded	
- Balls	PYREX	- Injection valve	HASTELLOY-PYREX
- Body Valve	PP	- Injection fitting	PP
		- Foot valve	PP

*UPON REQUEST: Pump Head-PVDF/PVC; Balls-PTFE; Body Valve-PVDF/PVC; O-Rings-Durol; Spring Loaded Injection Valve-Hastelloy/PTFE; Injection Fitting-PVDF; Foot Valve-PVDF/PVC

MODEL	CONSTANT	0/4-20 mA	PPM	1/4L/1.5L/MIN	TIMER	ON/OFF CYCLES	PH OR REDOX	CHLORINE	DIAMO INPUT
A	●	●	●	●	●	●	X	X	X
B	●	●	●	●	●	●	●	X	X
C	●	●	●	●	●	●	X	●	X
D	●	●	●	●	●	●	X	X	●

SOL 999 A

- Proportional 0/4-20mA, Ppm, 1/4L, 1.5L, 1.5L (M) st, 1.5L (M) Prop.
- Constant: flow rate, time, dosing quantity and cycle.
- Timer mode: daily or weekly.

SOL 999 B

- Proportional 0/4-20mA, Ppm, 1/4L, 1.5L, 1.5L (M) st, 1.5L (M) Prop.
- Constant: flow rate, time, dosing quantity and cycle.
- pH or Redox (Dip) input for proportional dosing. Timer mode: daily or weekly.

SOL 999 C

- Proportional 0/4-20mA, Ppm, 1/4L, 1.5L, 1.5L (M) st, 1.5L (M) Prop.
- Constant: flow rate, time, dosing quantity and cycle.
- Free Chlorine input for proportional dosing. Timer mode: daily or weekly.

SOL 999 D

- Proportional 0/4-20mA, Ppm, 1/4L, 1.5L, 1.5L (M) st, 1.5L (M) Prop.
- Constant: flow rate, time, dosing quantity and cycle.
- J-sensor input for Chlorine (Free and Total), Chlorine Dioxide, Ozone, Hydrogen peroxide or Peroxide auto proportional dosing.
- Timer mode: daily or weekly.

CODING EXAMPLE

SOL 999 C 1



SOL 999

For any application

CODE	FLOW RATE (l/h)	PRESSURE (bar)	STROKES (REV)	STROKES VOLUME (ml/stroke)	CONSUMPTION (l/hwt)	CONNECTIONS STD (mm)	PUMP HEAD
1	10	10	200	0.85	35	4x6	PP 1/2"
	12	8		1.15			
	14	5		0.66			
	4	20		0.75			
2	4.5	18	100	0.83	35	4x6	PP 1/2"
	5	15		2.22			
	20	1		2.77			
	25	3		3.88			
3	25	3	150	0.83	35	4x6 IN 6x8 OUT	PP 1/2"
	35	1		3.88			
	45	1		5			
	50	0.5		5.55			
4	35	2	150	0.83	35	10x14	PVC 1/2"
	45	1		5			
	50	0.5		5.55			

SOLENOID PUMPS SOL SERIES

● SOL 201

Multifunction digital solenoid pump with stroke adjustment

Technical Features:

- Multifunction dosing pump. Mechanic adjustment of each injection
- Microprocessor, display and digital control technology
- Proportional functioning with external digital signal, with input pulses divider and multiplier
- Proportional functioning with 4-20 mA direct and inverse analogue signal
- Constant functioning with flow rate adjustment in pul/minute, minimum 1 pulse/10 minutes
- Timed functioning with daily/weekly timer
- Level probe compatible (probe and connector not included)
- IP65 protection
- PE injection pipe, PVC crystal discharge pipe, PDVF foot valves included in the installation kit

Liquid End Standard Material*:

- Pump Head	PVDF	- Spring Loaded Injection Valve	HASTELLOY
- Diaphragm	PTFE	- Injection Fitting	PVDF
- Balls	PVDF	- Foot Valve	PVDF
- Valve Fitting	PVDF	- Suction and Air Bleed Pipe	PVC
- Seals/O-rings	VITON	- Discharge Pipe	PE

*UPON REQUEST: Pump Head-PVC Automatic blending; Balls-PTFE/Ceramic; Seals/O-rings-Durol; Spring Loaded injection Valve- Hastelloy/PTFE/Ceramic

SOL 201

Power and precision



Accessories:

- PE Tank

- Level Probe with BNC

- Suction Lance



MODEL CODE	FLOW RATE @ (l/h)	MAX PRESSURE (bar)	FLOW RATE @ (l/h)	1 BAR PRESSURE	CONNECTIONS STD (mm)	CONSUMPTION (l/hwt)
SOL 201 A	2	18	9	1	4x6	36
SOL 201 B	4	18	12	1	4x6	36
SOL 201 C	9	9	15	1	4x6	36
SOL 201 D	10	10	17	1	4x6	36
SOL 201 E	15	3	18	1	4x6	36