



## **INJECTION PUMPS**



**FAST AND EFFICIENT OPERATION**

# EFFICIENT AND RELIABLE INJECTION EQUIPMENT TO ACHIEVE THE BEST RESULTS.

SAMOA offers a wide range of products to meet the demands in different material injection applications: crack injection, horizontal sealing, curtain and masonry injection, repair and sealing expansion joints, underground water control, soil stabilisation, pipe leak sealing, slurry wall and slab joints sealing, etc.

SAMOA products provide a high performance and have a robust and compact design that facilitates their transportation.

- Constant pressure during the injection process
- Efficient material suction and regular product delivery
- Easy to use and simple maintenance

## SOIL STABILISATION • WATER CONTROL UNDERGROUND • LEAK SEALING

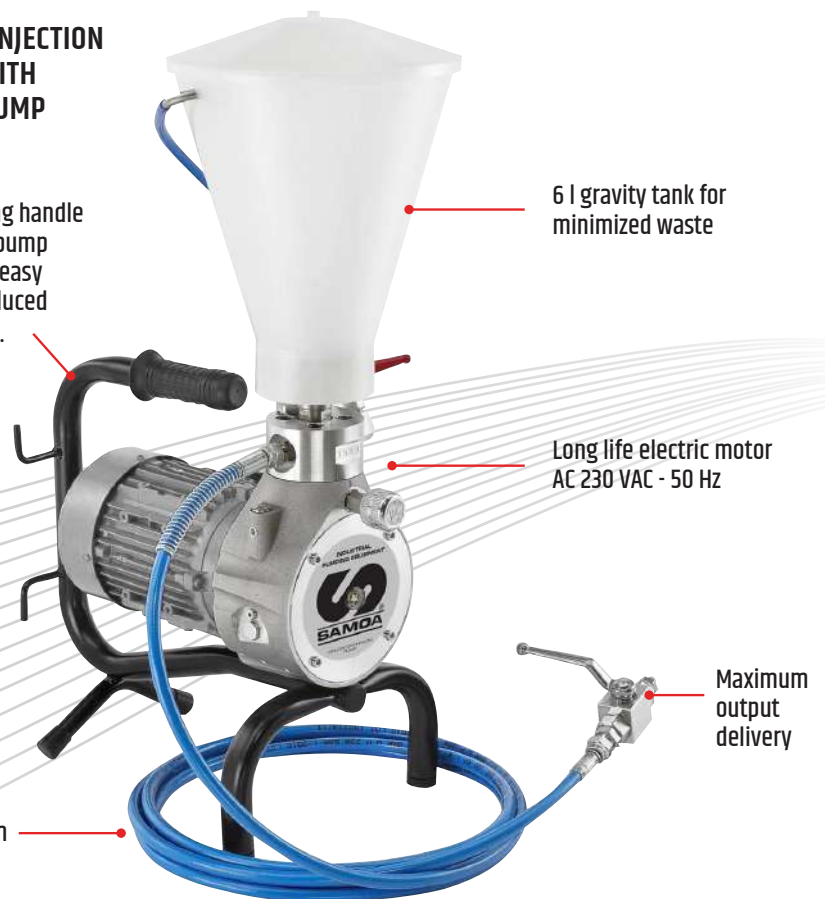
### Different technologies for different applications

- **Electric airless diaphragm pumps.** Recommended for the injection of low viscosity resins.
- **Electric airless cold diaphragm pumps.** Recommended for the injection of heatsensitive resins, to avoid altering their chemical composition and to prevent its catalysis inside the pump.
- **Electric airless piston pumps.** Recommended for the injection of high viscosity resins.
- **Low pressure pneumatic pump.** Recommended for the injection of medium-high volumes of low viscosity resins that are sensitive to pressure action.
- **2K pneumatic systems 1:1** Recommended for the injection of high volumes of two-component resins with a high viscosity and with very fast chemical reactions.

### LONG LIFE INJECTION PACKAGE WITH ELECTRIC PUMP

Off-set carrying handle balances the pump weight for an easy transport. Reduced storage space.

Long life, high flexibility, high pressure hose



### MATERIALS

- Structural resins
- Waterproofing hydro-expansive resins
- Epoxy resins
- Acrylic resins
- Silicone resins
- Silicatic resins
- Polyurethane resins
- Sealant gel

### APPLICATIONS

- Underground boxes
- Ground walls
- Hanging gardens
- Pre-slabs
- Cracks
- Joint between masonry and FOUNDATIONS
- Joint between masonry and floor
- Cellars
- Pit lifts
- Galleries and tunnels

# ELECTRIC DIAPHRAGM AND PISTON PUMPS



## TECHNICAL DATA

MODEL	MIRÒ COLD	DALÌ COLD	JOLLY	ZEUS
TYPE OF PUMP	Electric diaphragm	Electric diaphragm	Electric Piston	Electric Piston
VERSION	Frame - Trolley	Trolley	Frame - Trolley	Trolley
MAX. DELIVERY	2,2 l/min	4 l/min	1,9 l/min	4 l/min
MAX. WORKING PRESSURE	220 bar	220 bar	220 bar	220 bar
MOTOR POWER	0,75 Kw	1,1 Kw	0,7 Kw	2 Kw
VOLTAGE	230 VAC - 50 Hz	230 VAC - 50 Hz	230 VAC - 50 Hz	230 VAC - 50 Hz
UNIT WEIGHT	20 kg Frame - 23 kg Trolley	38 kg	15 kg Frame - 16 kg Trolley	58 kg
MIN. POWER GENERATOR SINGLE PHASE	3 Kw	3 Kw	4 Kw	5 Kw
SOUND PRESSURE LEVEL	≤ 65 dB (A)	≤ 65 dB(A)	≤ 80 dB (A)	≤ 60 dB A)

## CONFIGURATION

MODEL	Part No.	BELT CONNECTION	FRAME	TROLLEY	DIAPHRAGM	PISTON	HOSE	COMPLETE VALVE	TANK	GAUGE
MIRÒ Diaphragm pump	LAK21571	-	•	-	•	-	P.N LA6164 Ø 3/16" x 5 m - M16X1.5	P.N LA33040 Ball valve 3/8" - M10X1 Outlet	P.N LA35101 6 l	P.N LA147 0/400 bar
MIRÒ COLD Diaphragm pump	LAK21571/1	•	-	•	•	-	P.N LA6164 Ø 3/16" x 5 m - M16X1.5	P.N LA33040 Ball valve 3/8" - M10X1 Outlet	P.N LA35101 6 l	P.N LA147 0/400 bar
DALÌ COLD Diaphragm pump	LAK18968/3	•	-	•	•	-	P.N LA6164 Ø 3/16" x 5 m - M16X1.5	P.N LA33040 Ball valve 3/8" - M10X1 Outlet	P.N LA35101 6 l	P.N LA147 0/400 bar
JOLLY Piston pump	LAK56500/7	-	•	-	-	•	P.N LA18026 Ø 1/4" x 15 m - M16X1.5	P.N LA33040 Ball valve 3/8" - M10X1 Outlet	P.N LA35101 6 l	P.N LA147 0/400 bar
	LAK56500/4	-	-	•	-	•	P.N LA18026 Ø 1/4" x 15 m - M16X1.5	P.N LA33040 Ball valve 3/8" - M10X1 Outlet	P.N LA35101 6 l	P.N LA147 0/400 bar
ZEUS Piston pump	LAK35100/2	-	-	•	-	•	P.N LA18026 Ø 1/4" x 15 m - M16X1.5	P.N LA33040 Ball valve 3/8" - M10X1 Outlet	-	P.N LA147 0/400 bar

\* Different motor power supply available on request.

# LOW PRESSURE PNEUMATIC PUMP

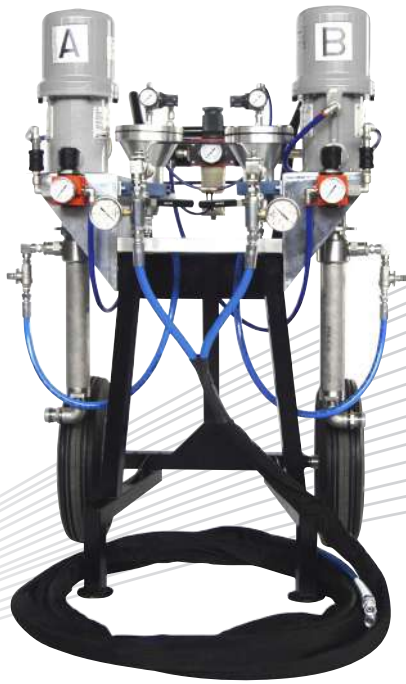
## MINIPEGASO TECHNICAL DATA

TYPE OF PUMP	Pneumatic double diaphragm pump
VERSION	Trolley mounted
MAX. water flow rate	40 l/min
MAX. FLUID PRESSURE	7 bar
MAX. AIR PRESSURE	7 bar
POWER	Compressed air
MAX. HOSE LENGTH	30 m
UNIT WEIGHT	47 kg
SOUND PRESSURE LEVEL	≤ 50 dB (A)

## CONFIGURATION

Part No.	TROLLEY	HOSE	COMPLETE VALVE	TANK
LAK20870/2	•	P.N LA18510 Ø 3/8" x 15 m - M16X1.5	P.N LA33040 Ball valve 3/8" - M10X1 Outlet	P.N LA18245 50 l






 Atex Certified  
 EX II 2 G c IIB T6

## 2K PNEUMATIC SYSTEMS FOR TWO-COMPONENT RESINS

### 2K GHIBLI 10:1 - 15:1 - 20:1 TECHNICAL DATA

	2K GHIBLI 10:1 TWO PUMPS SYSTEM	2K GHIBLI 15:1 ONE MOTOR - TWO PUMP LOWERS SYSTEM	2K GHIBLI 20:1 ONE MOTOR - TWO PUMP LOWERS SYSTEM
<b>Part No.</b>	LAENG1001 LAENG1002	LAENG1008	LAENG1011
<b>VERSION</b>	Trolley mounted	Trolley mounted	Trolley mounted
<b>MIXING RATIO</b>	1:1	1:1	1:1
<b>MAX. AIR INLET</b>	7 bar	7 bar	7 bar
<b>MAX. FREE FLOW DELIVERY</b>	24 l/min 12 l/min for each pump	8 l/min 4 l/min for each lower	6 l/min 3 l/min for each lower
<b>MAX. WORKING PRESSURE</b>	70 bar	105 bar	140 bar
<b>MAX. CYCLES PER MINUTE</b>	60	60	60

## 2K GHIBLI INJECTION PACKAGES

2K GHIBLI 10:1 Part No. LAENG1002	2K GHIBLI 10:1 WITH HEATERS Part No. LAENG1001	2K GHIBLI 15:1 Part No. LAENG1008	2K GHIBLI 20:1 Part No. LAENG1011
2 - LA96667 Ghibli 10:1 short divorced - stainless steel	2 - LA96667 Ghibli 10:1 short divorced - stainless steel	1 - LA96550 Ghibli air operated motor	1 - LA96550 Ghibli air operated motor
2 - LA7130 Automatic flow regulator for mastics 10 - 250 bar	2 - LA7130 Automatic flow regulator for mastics 10 - 250 bar	1 - LA96250 Pneumatic regulation group	2 - LA96500 Ghibli 40:1 pump lowers
2 - LA91107 FR regulator 3/8"	2 - LA91107 FR regulator 3/8"	2 - LA96070 Ghibli 30:1 pump lowers	2 - LA96220 Line filter M16X1.5
2 - LA18063 High pressure hose Ø 3/8" M16X1.5 - 7.5 m	2 - LA18063 High pressure hose Ø 3/8" M16X1.5 - 7,5 m	2 - LA96220 Line filter M16X1.5	2 - LA16610 Suction system for viscous products
2 - LA16612 Stainless steel hose for viscous products	2 - LA16611 Stainless steel suction system for viscous products	2 - LA16610 Suction system for viscous products	1 - LA96250 Pneumatic regulation group
2 - LA98056 Complete return stainless steel hose 1,5 m	2 - LA150/2 Pressure gauge 0-60 bar - 3/8" revolving fitting	-	-
2 - LA150/2 Pressure gauge 0-60 bar - 3/8" revolving fitting	2 - LA6099 Heater	-	-
1 - LA24483 Air group 1"	1 - LA24483 Air group 1"	-	-

# 2K OMEGA INJECTION PACKAGE

## 2K OMEGA 40:1 TECHNICAL DATA

2K OMEGA 40:1 ONE MOTOR - TWO PUMP LOWERS SYSTEM	
PART No.	LAENG1006
VERSION	Trolley mounted
MIXING RATIO	1:1
MAX. FEEDING PRESSURE	7 bar
MAX. DELIVERY FREE FLOW	8 l/min 4 l/min for each pump lower
MAX. WORKING PRESSURE	280 bar
MAX. CYCLES PER MINUTE	60

### 2K OMEGA 40:1 Part No. LAENG1006

1 - LA7100 OMEGA air operated motor
2 - LA98340 Stainless steel GHIBLI 30:1 pump lowers
2 - LA16611 Stainless steel suction system viscous products
1 - LA40069 Air group 1"
2 - LA98388 Stainless steel line filter M16X1.5

# 2K NOVA INJECTION PACKAGES



## 2K NOVA 23:1 - 30:1 - 40:1 TECHNICAL DATA

	2K Nova 23:1	2K Nova 30:1	2K Nova 40:1
<b>ONE MOTOR - TWO PUMP LOWERS SYSTEM</b>			
PART No.	LAENG1012 LAENG1014	LAENG1007	LAENG1009
VERSION	Trolley mounted	Trolley mounted	Trolley mounted
MIXING RATIO	1:1	1:1	1:1
MAX. FEEDING PRESSURE	7 bar	7 bar	7 bar
MAX. DELIVERY FREE FLOW	28 l/min 14 l/min for each pump lower	24 l/min 12 l/min for each pump lower	18 l/min 9 l/min for each pump lower
MAX. WORKING PRESSURE	160 bar	210 bar	280 bar
MAX. CYCLES PER MINUTE	60	60	60

2K Nova 23:1 with heaters Part No. LAENG1012	2K Nova 23:1 Part No. LAENG1014	2K Nova 30:1 Part No. LAENG1007	2K Nova 40:1 Part No. LAENG1009
1 - LA95060 Nova air operated motor	1 - LA95060 Nova air operated motor	1 - LA95060 Nova air operated motor	1 - LA95060 Nova air operated motor
2 - LA98200 Nova 45:1 SS pump lowers	2 - LA98200 Nova 45:1 SS pump lowers	1 - LA40069 Air group 1"	1 - LA40069 Air group 1"
2 - LA6099 Heater	1 - LA40069 Air group 1"	2 - LA95500 Nova 60:1 pump lowers	2 - LA65005 Super Nova 80:1 pump lowers
1 - LA24412 Gravity tank kit	-	2 - LA95200 Complete Nova filter	2 - LA95200 Complete Nova filter
-	-	2 - LA95055 Suction system	2 - LA95055 Suction system



# PROFESSIONAL ACCESSORIES TO IMPROVE YOUR RESINS APPLICATIONS

HEATER	BICOMPONENT GUN	PLASTIC STATIC MIXER
<p><b>Part No. LA6099</b></p> <ul style="list-style-type: none"> <li>• Voltage 230 V</li> <li>• Maximum electric current 10A</li> <li>• Power 2.200 W</li> <li>• Max. operating pressure 300 bar</li> <li>• Temperature range 0 - 90 °C</li> <li>• Flow capacity: 60 l/h at 60 °C</li> </ul> 	<p><b>Part No. LA18756</b></p> <p>2K 1:1 stainless steel gun for viscous products.</p> 	<p><b>Part No. LA 23327</b></p> <p>3/8" - 13,77 cm</p> 



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