

## Equipment

Designation	Diaphragm material	Fluid seals	Part number
Prima 01D100 DIAPHRAGM PUMP BARE PTFE/FKM	PTFE	FKM	144936550
Prima 01D100 DIAPHRAGM PUMP BARE PTFE/EPDM	PTFE	EPDM	144936300
Prima 01D100E DIAPHRAGM PUMP BARE PU/FKM	PU	FKM	144936600
Prima 01D100E DIAPHRAGM PUMP BARE PU/EPDM	PU	EPDM	144936400

## Accessories

Designation	Part number
Stainless steel Fitting M1/2 BSPT M 26X125	050102437
WALL MOUNTING BRACKET DIAPHRAGM PUMP	144907070
Suction rod Ø16 plunging tube length 570 mm elbowed	149596050
Suction rod Ø16 plunging tube length 1000mm elbowed (for 200 liters drums)	149596060
Stainless steel Suction rod Ø23 plunging tube length 1000mm elbowed (for 200 liters drums)	149596160
Stainless steel Suction rod Ø23 plunging tube length elbowed 570 mm	149596150
6L GRAVITY CUP WITH L SHAPE TUBE	151140250
AIR SUPPLY WITH 1 REGULATOR	151140080
AIR PLATE 2 REGULATORS (MOTOR+ATOM AIR)	151751212
AIR PLATE 2 REGULATORS (ATOM AIR +FLUID)	151751213
AIR PLATE 3 REGULATORS AIRSPRAY	151751206
Essential Stand	151730130
Essential Cart	151730140

## Spare Parts

Designation	Part number
PACK OF SEALS FOR AIR DISTRIBUTOR 01D100	144936022
PACK OF SEALS FOR AIR MOTOR 01D100	144936045
COMPLETE AIR DISTRIBUTOR 01D100	144936540
Kit 01D100 2 PTFE FLUID DIAPHRAGMS AND 2 AIR DIAPHRAGMS	144936090
PACK OF FLUID SEALS EPDM 01D100	144936088
PACK OF FLUID SEALS FKM 01D100	144936089
COMPLETE BALL CAGE TOP 01D100 FKM SEALS	144936060
COMPLETE BALL CAGE BOTTOM 01D100 FKM SEALS	144936061
COMPLETE UPPER BALL CAGE 01D100 EPDM SEALS	144936460
COMPLETE LOWER BALL CAGE 01D100 EPDM SEALS	144936461
PACKAGE OF 4 SST BALLS DIAM 16	144849901
Kit 01D100 2 PU FLUID DIAPHRAGMS AND 2 AIR DIAPHRAGMS	144936095

## Prima 01D100

Diaphragm pump

Airspray / Pumps



SIMPLE AND EFFICIENT DIAPHRAGM PUMP !

-  Pulsation free with Regpro solution for high finishing results
-  Robust & durable design
-  User friendly

## Markets



BOND • PROTECT • BEAUTIFY



# Prima 01D100

## Diaphragm pump

Prima 01D100 is a 1:1 ratio double diaphragm pump to feed your manual and automatic spray systems in the general industry markets.



Diaphragm

The **Prima 01D100 diaphragm pump** is the perfect solution to feed your spray systems in the wood, metal and plastic industries. This painting pump is compatible with solvent or water based materials but also with electrostatic Airspray installations.

**Prima 01D100E** is a version for **abrasive materials** such as **enamels applications**, fitted with PU diaphragms.

Wetted Materials are made of Polypropylene, PTFE or PU, Stainless steel.

The pump conception guarantees a quick priming, constant pulsation free application and easy flushing. Associated with the Airspray manual spray guns and the accessories from **Sames**, you have the perfect combination for your spray package. The **Prima 01D100** is appreciated by our customers for its reliability and ease of use. Combined with the **Regpro, 2in1 filter-regulator**, the paint flow will be perfectly stable and filtered to help you achieve the best application possible.

Finally, our EPA Compliant Airspray manual and automatic guns, fed by the **Prima 01D100** and the Regpro, provide an outstanding atomization. You are now ready to spray all types of solventborne, waterborne, high solids and 2K materials.

**How to choose the right pump?:** The **Prima 01D100** pump is available with 2 types of fluid seals. According to the material used to flush the pump, we recommend the following seals

	FKM SEALS	EPDM SEALS
Xylene	★	-
MEK	-	★
Acetone	-	★



## Technical data table

Designation	Value	Unit: metric (US)
Pressure Ratio	1:1	
Maximum Fluid Pressure	6 (87)	bar (psi)
Maximum Air Pressure	6 (87)	bar (psi)
Fluid Passages	SST, PP	
Maximum Temperature	50 (122)	°C (°F)
Height	296 (116.5)	mm (in)
Cylinder	100 (3.4)	cc (oz)
Sound Level	69	dBa
Air Inlet	8x10	
Fluid Outlet	F 3/8 BSPP	
Fluid Inlet	F 1/2 BSPP	
Length	216.7 (85)	mm (in)
Width	214 (84.2)	mm (in)
Weight	3.6 (6.6)	kg (lbs)
ATEX Certification	CE Ex II2G EX h IIB T6 Gb X	

## Performance

- 1 Large 1/2 BSPP suction inlet to increase the suction power
- 2 Foot assembly for stable installation during application and maintenance
- ◆ PTFE diaphragms for standard application or PU diaphragms for abrasive materials application

## Productivity

- 3 90° adjustable fluid inlet and outlet
- 4 New air distributor with protected seals and spring loaded to avoid stalling
- ◆ Compatible with water-based and solvent-based materials
- ◆ Minimum dead zone for better flushing and cleaning

## Sustainability

- 5 Aluminum central body with impregnated resin to avoid corrosion
- 6 Robust construction: fluid collectors and flanges in polypropylene with 30% carbon fiber
- ◆ Low noise for more comfort of use

## Description

