



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

Accessories

Designation	Part number
S/STEEL M 1/2 M 26X125	050102437
SUCTION ROD - ID 16 - DRUM 60L - F26X125	149596050
SUCTION ROD - ID 16 - DRUM 200L - F26x125	149596060
SUCTION ROD - ID 25 - DRUM 200L - F26x125	149596160
WALL MOUNTING BRACKET DIAPHGRAM PUMP	144907070
TROLLEY CONVERSION KIT AXIS & WHEELS	144936561
AIR SUPPLY WITH 1 REGULATOR	151140080
6L GRAVITY CUP WITH L SHAPE TUBE	151140250
TRIPOD	151730130
KIT TROLLEY (TRIPOD + WHEELS)	151730140
AIR PLATE 3 REGULATORS AIRSPRAY	151751206
AIR PLATE 2 REGULATORS (MOTOR+ATOM AIR)	151751212
AIR PLATE 2 REGULATORS (ATOM AIR +FLUID)	151751213
SUCTION ROD - ID 25 - DRUM 60L - F26X125	149596150

Kits

Designation	Support	Rod	Pump motor regulation	Atomizing air	air pressure for fluid regulator	Part number
PRIMA01D100 FKM ROD 2REG/M REGPRO WM	Wall mounted	•	-	•	•	151762001
PRIMA01D100 FKM 3REG REGPRO WM	Wall mounted	•		•	•	151762002
PRIMA01D100 FKM ROD 3REG REGPRO WM	Wall mounted	•	•	•	•	151762003
PRIMA01D100 FKM ROD 2REG TRIPOD	Tripod	•	•	•	-	151762004
PRIMA01D100 FKM ROD 3REG REGPRO TRIPOD	Tripod	•	•	•	•	151762005
PRIMA01D100 FKM ROD 2REG/M REGPRO TROLLEY	Trolley	•	-	•	•	151762006
PRIMA01D100 FKM ROD 3REG REGPRO TROLLEY	Trolley	•	•	•	•	151762007
PRIMA01D100 FKM ROD 2REG FILTER TRIPOD	Tripod	•	•	•	-	151762008

Spare Parts

Designation	Part number
DIAPHRAGM KIT 01D100 FLUID PTFE & AIR	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
PACK OF SEALS FOR AIR DISTRIBUTOR 01D100	144936022
PACK OF SEALS FOR AIR MOTOR 01D100	144936045
COMPLETE AIR DISTRIBUTOR 01D100	144936540

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



AUTOMOTIVE



AGRICULTURAL



CONSTRUCTION



CONSUMERS



INDUSTRIAL



TRANSPORTATION



WOOD

Markets



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.

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 KREMLIN, 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 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" BSP	
Fluid Inlet	F 1/2" BSP	
Length	216.7 (85)	mm (in)
Wetted Parts: PTFE, Polypropylene, Stainless Steel	♦	
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' suction inlet to increase the suction power
- 2 Foot assembly for stable installation during application and maintenance
 - ♦ PTFE diaphragms for standard application or EPDM 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

