

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 DIAPHRAGM 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 |
|--|--------------|-----|-----------------------|---------------|----------------------------------|-------------|
| Prima 01D100 FKM ROD 2REG/M REGPRO WM | Wall mounted | • | - | • | • | 151762001 |
| Prima 01D100 FKM 3REG REGPRO WM | Wall mounted | • | - | • | • | 151762002 |
| Prima 01D100 FKM ROD 3REG REGPRO WM | Wall mounted | • | • | • | • | 151762003 |
| Prima 01D100 FKM ROD 2REG TRIPOD | Tripod | • | • | • | - | 151762004 |
| Prima 01D100 FKM ROD 3REG REGPRO TRIPOD | Tripod | • | • | • | • | 151762005 |
| Prima 01D100 FKM ROD 2REG/M REGPRO TROLLEY | Trolley | • | - | • | • | 151762006 |
| Prima 01D100 FKM ROD 3REG REGPRO TROLLEY | Trolley | • | • | • | • | 151762007 |
| Prima 01D100 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 |



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Prima™ 01D100

Diaphragm pump



Air spray / 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.

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" 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

