

10:1, 18:1, 32:1 and 57:1 ratio pumps for a wide range of materials.



StediFlo pumps set new standards for efficiency and performance in liquid applications. They provide versatility and high performance to meet a wide range of pressure and volume requirements. Designed for durability and ease of service, StediFlo pumps are ideally suited for a variety of finishing applications.

With fewer parts and self-adjusting packings, StediFlo pumps are easy to maintain and require minimal repair. StediFlo pumps also allow for easy adjustment of pressure ratio and output if the usage conditions change, requiring the operator to only change the air motor.

StediFlo pumps are available in 10:1, 18:1, 32:1 and 57:1 pressure ratios and are available with a variety of packing glands. All units are stainless steel, making them ideal for use with water-based coatings. In addition, they can be used for airless or air-assisted airless applications and with hot or cold materials.

Features and Benefits

- **Self-adjusting packings reduce wear** – lower maintenance costs.
- **Fewer components** – for easy assembly and disassembly.
- **Closed lubrication chamber separates the air motor and the material pump** – prevents contamination.
- **Large pump openings and fluid passages** – reduce pressure loss and provide better flushing.
- **Large built-in muffler** – reduces noise levels for an environmentally friendly design.
- **Built-in run-away valve** – decreases wear and tear on the pump.



Technical Specifications

| Model | 10:1 | 18:1 | 32:1 | 57:1 |
|-------------------------------------|-----------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| Pressure ratio | 10:1 | 18:1 | 32:1 | 57:1 |
| Output/cycle | .007 gal (27 cm ³) | .02 gal (72 cm ³) | .02 gal (72 cm ³) | 0.1 gal (360 cm ³) |
| Fluid flow at 15 cpm | 0.1 gal/min (.4 l/min) | .29 gal/min (1.1 l/min) | .29 gal/min (1.1 l/min) | 1.43 gal/min (5.4 l/min) |
| Fluid flow at 30 cpm | .2 gal/min (.8 l/min) | .58 gal/min (2.2 l/min) | .58 gal/min (2.2 l/min) | 2.86 gal/min (10.8 l/min) |
| Max. air inlet pressure | 116 psi (8 bar) | 116 psi (8 bar) | 116 psi (8 bar) | 101.5 psi (7 bar) |
| Max. permissible operating pressure | 1160 psi (80 bar) | 2088 psi (144 bar) | 3712 psi (256 bar) | 5786 psi (399 bar) |
| Piston diameter, air motor | 2.0 in (50 mm) | 4.1 in (105 mm) | 5.5 in (140 mm) | 13.1 in (333 mm) |
| Piston stroke, air motor | 3.0 in (75 mm) | 3.0 in (75 mm) | 3.0 in (75 mm) | 4.7 in (120 mm) |
| Nordson part number | 1601681 | 1601688 | 1601689 | 1601692 |

| Air Motors | 10:1 | 18:1 | 32:1 | 57:1 |
|-------------|---------|---------|---------|---------|
| Seal Kit | 1601522 | 1601530 | 1601537 | 1601517 |
| Repair Kit* | 1601558 | 1601535 | 1601536 | 1601518 |

| Hydraulic Section | 10:1 | 18:1 | 32:1 | 57:1 |
|-------------------|---------|---------|---------|---------|
| Seal Kit | 1601701 | 1601717 | 1601717 | 1601673 |
| Repair Kit* | 1601702 | 1601720 | 1601720 | 1601574 |

* Repair kit includes the seal kit.

| | | | | |
|------------------|---------|---------|---------|---------|
| Mounting Bracket | 1601709 | 1601602 | 1601602 | 1601683 |
|------------------|---------|---------|---------|---------|

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Why choose Nordson

In highly competitive manufacturing markets, productivity is vital and performance is essential. That's why we apply both to everything we do, whether it's our products, expertise or outstanding customer service. We'll always be there to help maintain the new standards you've set, with expert service and support delivered through our teams working across the globe.

This unique Nordson approach helps you reach new levels of production, while working more accurately, efficiently and competitively than ever. Precisely why manufacturers who demand quality, can rely on Nordson.

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