

# Series FP-900 Ambient Temperature Dispensing Guns



*Ergonomic guns provide operating ease and pattern flexibility for flat panel gluing applications.*



Nordson® FP-900 guns minimize physical stress and fatigue when manually applying ambient temperature adhesives to horizontal and/or vertical components. Weight-supported design and ergonomic configuration allow operator to maintain neutral wrist position.

FP-900 guns are ideal for gluing applications on flat panels in the automotive, appliance and furniture industries. The complete flat-panel gun system includes an FP-900 swirl gun, hose and suspension package.

## **Ergonomic design promotes operator comfort to help increase productivity.**

- **Durable suspension package** bears the gun's weight and permits a wide range of horizontal movement.
- **Pivoting swing arm** moves easily left or right and in or out relative to the operator's position.
- **Patented multi-plane swivel** allows 360-degree gun rotation and up to 20-degree angle movement from centerline, reducing wrist stress.
- **Adjustable trigger handle** allows left- or right-hand operation, and auxiliary guide handle permits two-handed use for added control.

- **Light-touch trigger** activates a microswitch in gun handle, providing instant adhesive flow.
- **Thumb safety switch** locks trigger to prevent accidental dispensing.

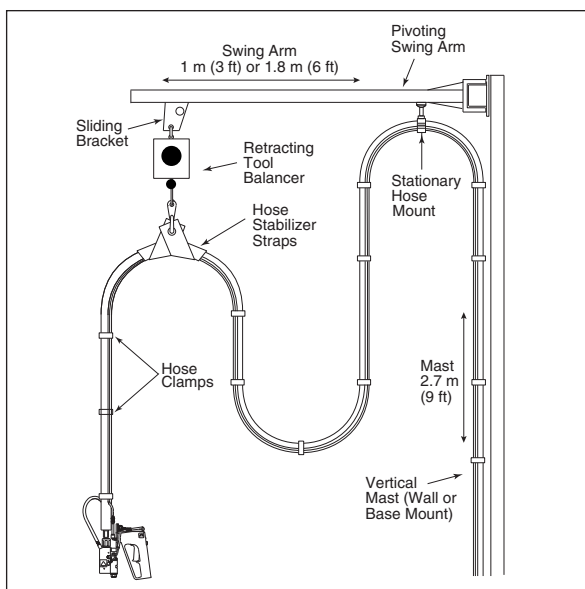
## **Design enhances pattern and production robustness.**

- **Selection of nozzle** provides swirl spray width range to meet deposition requirements.
- **Purge ports** for easy material flush.
- **External mix design** maintains positive separation of adhesive and process spray air to maximize swirl pattern robustness.
- **Design optimized** to process today's high-performance ambient temperature, moisture-cure materials.

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The FP-900 system provides a weight-supported design and ergonomic configuration that help reduce worker fatigue and physical stress.



FP-900 Gun System

### Specifications

<b>Pattern Type<sup>1</sup></b>	Wide swirl or random fibers
<b>Operating Temperature</b>	Ambient
<b>Maximum Input Hydraulic Pressure</b>	207 bar (3000 psi)
<b>Material Viscosity Range</b>	1,000 – 1,000,000 cps
<b>Operating Air Pressure<sup>2</sup></b>	4.1 to 6.9 bar (60 to 100 psi)
<b>Air Consumption</b>	6.0 scfm maximum
<b>Nozzle Orifice Diameters<sup>3</sup></b>	0.89 mm (0.035 in.) 1.02 mm (0.040 in.) 1.24 mm (0.049 in.) 1.40 mm (0.055 in.)
<b>Spray Pattern Width<sup>4</sup></b>	25 to 152 mm (1 to 6 in.)
<b>Electrical Service</b>	None

<sup>1</sup> FP-900 guns are compatible with Nordson Rhino® pumps.

<sup>2</sup> Recommended range. Dry, regulated, unlubricated air required for consistent gun operation. Module performance and durability will be negatively affected if operated outside the recommended range. Volumetric air requirements will vary with gun configuration and application.

<sup>3</sup> Order nozzles separately.

<sup>4</sup> Maximum achievable swirl pattern width depends on adhesive being dispensed.



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