Optimum Disposable Reservoir Systems

SYRINGE BARREL & PISTON SETS

Each box contains syringes and pistons in dust-free packaging.

SMOOTHFLOW POLYETHYLENE PISTONS

Optimum pistons mate perfectly with syringe barrels and are available in six styles to ensure control for virtually any fluid in application.

END / TIP CAPS

End caps and tip caps provide an airtight seal.

PRECISION STAINLESS STEEL TIPS

Use with gel cyanoacrylates, UV-cure adhesives, sealants, and particulate-filled materials or any medium- to high-viscosity fluid. Standard tips are molded of polyethylene. Rigid, opaque tapered tips are molded of polypropylene and the opacity delivers light-blocking functionality.

SMOOTHFLOW TAPERED TIPS

Control wiping to stop drips for optical media applications.

PTFE-FOILED TIPS

Flexible polyethylene tubing for application into difficult-to-access areas. Easily drags along edges and around corners and prevents scratching. Tubing can be cut to length.

PTFE-LINED TIPS

Resists clogging of cyanoacrylates. Use for microdot application of low viscosity fluids.

FLEXIBLE TIPS

Flexible polyethylene tubing for application into difficult-to-access areas. Easily drags along edges and around corners and prevents scratching. Tubing can be cut to length.

OVAL TIPS

Flat ribbons deposits of thin pastes, sealants, and epoxies.

For more information visit www.ndsensofl.com/SyringePistons

Optimum® syringe barrels are molded from a proprietary polypropylene blend that gives them exceptional clarity and chemical compatibility. Pistons are molded of polyethylene. Reservoirs available in clear for most fluids; transparent amber for UV- and light-sensitive materials (less than 12% visible light from 550 nm or less); and opaque black. Black ensures complete light blockage. Each box contains an equal number of barrels and pistons.
Optimum Disposable Reservoir Systems

**CERAMIC MICRODOT TIPS**

<table>
<thead>
<tr>
<th>Gauge</th>
<th>Color</th>
<th>mm</th>
<th>inch</th>
<th>Part #</th>
<th>QTY</th>
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<td>0.002</td>
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<td>Silver</td>
<td>0.05</td>
<td>0.002</td>
<td>7364306</td>
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</table>

Ceramic MicroDot® tips can produce precise micro-deposits as small as 100 μm. They are ideal for dispensing UV-cure adhesives and other assembly fluids commonly used in the electronic and life science industries. Compatible with fine particle-filled materials. Available with black polypropylene or stainless steel hubs.

**OPTIMUM ECO**

<table>
<thead>
<tr>
<th>Size</th>
<th>ECO Natural Barrels</th>
<th>ECO Natural Pistons</th>
<th>ECO Natural End Caps</th>
<th>QTY</th>
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<td>7366129</td>
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**EPOXIES, SEALANTS, AND PASTES**

**UV-CURE / LIGHT SENSITIVE ADHESIVES**

**EPoxyes, Sealants, and Pastes**

** Precise application requires ultrapure, low particle contents.**

**4 SIMPLE RULES TO REMEMBER:**

1. **Small deposits** — small tips, low pressure, short pulse time
2. **Big deposits** — larger tips, higher pressure, longer time
3. **Thick fluids** — tapered tips, higher pressure, time as required
4. **Wetty fluids** — small tips, low pressure, time as required

**Fluids That Require Special Handling Are Described Below With Recommendations.**

**CYANOACRYLATES AND SOLVENTS**

**ANAEROBICS AND OILS**

**UV-CURE**

**4 SIMPLE RULES TO REMEMBER:**

1. **Small deposits** — small tips, low pressure, short pulse time
2. **Big deposits** — larger tips, higher pressure, longer time
3. **Thick fluids** — tapered tips, higher pressure, time as required
4. **Wetty fluids** — small tips, low pressure, time as required

**Fluids That Require Special Handling Are Described Below With Recommendations.**

**Epoxyes, Sealants, and Pastes**

**Important Safety Information**

All Nordson EFD disposable components, including syringes, barrels, cartridges, pistons, tip caps, and end caps, and dispense tips are precision engineered for one-time use. Attempting to clean and re-use components will compromise dispensing accuracy and may increase the risk of personal injury.

Always wear appropriate protective equipment and clothing suitable for your dispensing application.

Do not exceed maximum operating pressure of 100 psi (7.0 kg/cm²).

**Dispense Tip Dimensions Are for Reference. See Nordson EFD Sales Drawing for Exact Specifications.**

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Do not exceed operating pressure of 100 psi (7.0 kg/cm²).

Dispense components according to local regulations after one-time use.

Do not clean components with strong solvents (e.g. MEK, Acetone, THF).

Cartridge solvent systems and barrel adapters should be cleaned with mild detergents only.

To prevent fluid waste, use EFD SmoothFlow pistons.