Nordson EFD’s disposable Unity™ HiTemp™ syringe barrels provide a cost effective alternative to syringes commonly used in pneumatic dispensing of hot melt adhesives. The barrels are compatible with Nordson’s Unity IC Series and Unity PURJet™ dispensing systems and other standard industry hot melt dispensers.

Available in three 30cc models, Unity HiTemp syringe barrels are engineered using proprietary materials that allow them to withstand high temperatures for up to eight hours.

- Opaque Extreme HiTemp barrels withstand 180° C (356° F) at up to 100 psi (7 bar). These syringes can be used with polyamides and other types of hot melt materials. They also block all UV light between 200 and 500 nm.
- Clear HiTemp barrels withstand 125° C (257° F) at up to 87 psi (6 bar). These syringes can be used with all hot melt adhesives, including moisture sensitive polyurethanes (PURs) and Silyl Modified Polymers (SMPs).
- Clear HiTemp Tapered barrels withstand 125° C (257° F) at up to 87 psi (6 bar). The tapered design allows the barrel to fit industry-standard heater blocks and can be used with the same fluids listed above.

Unity HiTemp barrels accept EFD metal dispense tips, Unity adapters, and end caps. An Extreme HiTemp tip cap is available for applications above 125° C.

**Features**
- Proprietary materials maintain integrity at high temperatures for up to eight hours
- 30cc capacities compatible with most industry hot melt systems

**Benefits**
- Disposability reduces downtime and maintenance costs with better cost of ownership compared to standard metal syringes
- Reliable, repeatable hot melt adhesive dispensing at up to 180° C
- Higher temperatures allow for narrower beads and lines for more precise dispensing
- Tapered design allows the barrel to fit existing industry-standard heater blocks for superior moisture barrier protection
- Stemmed tip caps minimize curing in luer with moisture sensitive PURs and can be used with all barrel models
Nordson Unity Systems

Nordson Unity systems precisely deliver ultra-thin yet strong, durable bond lines to support smaller handheld devices. The Unity IC Series delivers consistent, customized dispensing with pneumatic modules and interchangeable nozzles. The Unity PURJet system provides accurate dispensing of heated PUR adhesives, even into small grooves and other complicated geometries.

Both meet stringent requirements in the exacting processes of handheld/portable electronics manufacturing. They reduce operating costs by prolonging syringe life and minimizing bead width variation.

For more information, visit the Unity IC Series or Unity PURJet Series product pages www.nordson.com/UnityIC and www.nordson.com/UnityPURJet

Specifications

<table>
<thead>
<tr>
<th>Item / Model</th>
<th>Extreme HiTemp Syringe Barrel</th>
<th>HiTemp Syringe Barrel</th>
<th>HiTemp Tapered Syringe Barrel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>129.8 mm length x 26.2 mm diameter (5.11” x 1.03”)</td>
<td>129.8 mm length x 26.4 mm diameter (5.11” x 1.04”)</td>
<td>130.04 mm length x 26.2 mm diameter (5.12” x 1.03”)</td>
</tr>
<tr>
<td>Maximum operating temperature</td>
<td>180° C (356° F)</td>
<td>125° C (257° F)</td>
<td>125° C (257° F)</td>
</tr>
<tr>
<td>Maximum operating pressure*</td>
<td>100 psi (7 bar)</td>
<td>87 psi (6 bar)</td>
<td>87 psi (6 bar)</td>
</tr>
</tbody>
</table>

*Maximum operating pressure 75 psi with traditional Unity adapter assembly

For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to www.nordsonefd.com.

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