

# Unity HiTemp Syringe Barrels

For use with fluids at temperatures up to 180° C



Reduce downtime and maintenance costs with EFD's disposable Unity HiTemp syringe barrels.



Opaque Unity Extreme HiTemp barrel shown with white Extreme tip cap.



Clear Unity HiTemp barrel shown with blue standard tip cap.



Clear Unity HiTemp Tapered barrel shown with orange stemmed tip cap.

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
- 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



more info



P/N	Description	Color	Qty
7360475	30cc HiTemp syringe barrel	Clear	20
7360473	30cc Extreme HiTemp syringe barrel	White	20
7363794	30cc HiTemp Tapered syringe barrel	Clear	20
7360452	Extreme HiTemp tip cap	White	50
7015825	Tip cap	Blue	50
7364073	Stemmed tip cap	Orange	50
7363885	Unity end cap	Blue	20
7362347	30cc Unity adapter assembly 3ft tubing	Blue	1
7362348	30cc Unity adapter assembly 6ft tubing	Blue	1



## Specifications

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

\*Maximum operating pressure 75 psi with traditional Unity adapter assembly

## 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](http://www.nordson.com/UnityIC) and [www.nordson.com/UnityPURJet](http://www.nordson.com/UnityPURJet)



Nordson Unity IC Series Dispensing System



For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to [www.nordsonefd.com](http://www.nordsonefd.com).

### Global

East Providence, RI USA  
800-556-3484; +1-401-431-7000  
[info@nordsonefd.com](mailto:info@nordsonefd.com)

### Europe

Dunstable, Bedfordshire, UK  
0800 585733; +44 (0) 1582 666334  
[europe@nordsonefd.com](mailto:europe@nordsonefd.com)

### Asia

China: +86 (21) 3866 9006; [china@nordsonefd.com](mailto:china@nordsonefd.com)  
India: +91 80 4021 3600; [india@nordsonefd.com](mailto:india@nordsonefd.com)  
Japan: +81 03 5762 2760; [japan@nordsonefd.com](mailto:japan@nordsonefd.com)  
Korea: +82-31-736-8321; [korea@nordsonefd.com](mailto:korea@nordsonefd.com)  
SEAsia: +65 6796 9522; [sin-mal@nordsonefd.com](mailto:sin-mal@nordsonefd.com)

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