

# ProBlue® Fulfill™ Adhesive System



*Integrated, automatic fill system maintains adhesive levels in ProBlue melters, improving productivity and reducing maintenance.*



The ProBlue Fulfill system eliminates hands-on refilling of melter tanks by automatically maintaining desired adhesive levels in the tank. The system adds adhesive to the sealed tank, reducing the possibility of adhesive char, contaminants, thermal shock and incorrect adhesive temperatures that result in poor bonding.

A capacitance sensor detects low adhesive levels and sends a signal to the system control. The signal activates a suction lance placed in the supplied bulk adhesive container. Using vacuum, adhesive is drawn from the bulk container and conveyed to the melter tank. The system conveys adhesive in the shape of pellets, pastilles and mini-slats. A vibrator on the suction lance prevents adhesive bridging.

The ProBlue Fulfill system is ideal for production environments that require a dependable, automated adhesive supply system integrated in the melter. Installation is simple and can be completed within one hour.

## Features and Benefits

- **Integrated feed system** is unique to ProBlue melters
- **Automatic adhesive replenishment** saves operator time, helps prevent thermal shock and reduces adhesive degradation.
- **Uninterrupted operation** eliminates downtime due to empty adhesive melter tank.
- **Eliminates missed beads and poor bonding** caused by melter tank running dry.
- **Simple design and easy access** to components minimizes installation and maintenance requirements.
- **Reduces adhesive contamination and debris** that can cause equipment downtime and poor bonding.
- **Processes a variety of hot melt adhesive types** over a wide temperature range.

# ProBlue® Fulfill Adhesive Feed System

## Specifications

<b>Adhesive Forms</b>	Pellets, pastilles, mini-slats
<b>Maximum Size</b>	Pastilles: 12 mm (0.472 in) in diameter Mini-slats: 12 mm x 12mm (0.472 in x 0.472 in) in length
<b>Adhesive Transfer</b>	
<b>Maximum Rate</b>	227 kg (500 lb)/hour (dependent on adhesive type)
<b>Transfer Hose</b>	
<b>Length</b>	4 m (13.12 ft)
<b>Operating Air</b>	
<b>Minimum Pressure</b>	4 bar (0.4 MPa or 60 psi)
<b>Maximum Pressure</b>	6 bar (0.6 MPa or 90 psi)
<b>Total Air Consumption</b>	
<b>At 4 bar</b>	679 Liters/min (24 SCFM) when feeding
<b>At 6 bar</b>	849 Liters/min (30 SCFM) when feeding
<b>Conditioning</b>	Dry, non-lubricated
<b>Air Connection</b>	10 mm O.D. (0.394 in)
<b>Electrical Service</b>	See ProBlue 4, 7, 10 melters No additional electrical service required
<b>Pump Type</b>	Venturi
<b>Noise Emission</b>	76 dBA
<b>Melters</b>	ProBlue 4, 7, 10 melters
<b>Dimensions</b>	
<b>Control Drawer</b>	(H) 73 mm x (W) 294 mm x (L) length of melter (2.875 in x 15.5 in)
<b>Suction Lance</b>	(L) 615 mm x max (W) 105 mm (24.21 in x max 4.14 in)
<b>Filter Housing Height</b>	260 mm (10.25 in)
<b>Filter Mesh Size</b>	25 µ
<b>Storage Bin Capacity</b>	60 Kg (132 lb)



Suction lance transfers adhesive to the melter tank.



Unique supply and filtration system delivers easy access to melter tank.



Easily seen, status-at-a-glance indicators maximize efficiency and operator awareness.



For more information, talk with your Nordson representative or contact your Nordson regional office.

### United States

Duluth, Georgia  
Telephone: (800) 683-2314  
Facsimile: (866) 667-3329

### Canada

Markham, Ontario  
Telephone: (800) 463-3200  
Facsimile: (905) 475-8821

### Europe

Lüneburg, Germany  
Telephone: (49) 4131-894-0  
Facsimile: (49) 4131-894-149

### Japan

Tokyo, Japan  
Telephone: (81) 3-5762-2700  
Facsimile: (81) 3-5762-2701

### Asia/Australia/ Latin America

Amherst, Ohio  
Telephone: (440) 985-4797  
Facsimile: (440) 985-1096

[www.nordson.com](http://www.nordson.com)



When you expect more.®