

Fulfill[®] Retrofit Kit

Automated Adhesive Fill Integration

Add auto-fill efficiency to any Nordson[®] system.

Easy to install and operate, retrofit kits bring automatic filling to any Nordson tank melter.

A sensor monitors melter tank adhesive levels and signals the system to add small quantities of adhesive at needed intervals.

Features

- Robust and reliable industry standard capacitance sensor maximizes uptime
- Easy push-button sensor calibration
- Integrated audible siren
- Quick-change visible filter
- Automatic fill system shut-off in fault condition
- Flexible output can be configured to notify the PLC that the fill system is enabled, power is on and the fill system does not have a fault



Benefits

- Improves product quality and bond strength by maintaining consistent adhesive temperature, purity and bead volume
- Maximizes plant operating efficiency by increasing maintenance cycle and parts life while minimizing char and pop-opens
- Improves safety by preventing exposure to hot adhesives and surfaces
- Reduces installation time and parent machine integration complexity by eliminating need for power drop on ProBlue[®] melters
- Prevents manual overfilling and spilling, and reduces broken tank lids
- Fits Nordson melters in virtually any production space or environment
- Minimizes maintenance and downtime associated with adhesive char, degradation and contamination

Specifications

Fits Nordson Melters

ProBlue 4, 7, 10, 15, 30, 50
 Series 3100, 3400, 3500, 3700 & 3860/3960
 Mesa 4, 6, 9 & 14
 DuraBlue & VersaBlue 25, 50 & 100 (VA & VT)
 DuraBlue & AltaBlue 10/16
 AltaBlue 30/50 (TS)
 FM 200
 Universal

Adhesive Forms

Pellets
 Pastilles: up to 12 mm (0.472 in diameter)
 Mini-slats: up to 12 mm x 12 mm (0.472 x 0.472 in)
 275 kg (600 lb)/hour (dependent on adhesive type)

Adhesive Transfer Maximum Rate

See Adhesive Storage Container data sheet

Adhesive Storage Container

Transfer Hose Length

4 m (13 ft) 9 m, (29.5 ft), 18 m (59 ft)

Total Air Consumption (each feed)

17 CFM @ 3.4 bar to transfer 105.3 kg/hr (223.2 lb/hr) with 4 m hose @ 4 m rise
 22 CFM @ 4.1 bar to transfer 112.5 kg (248 lb/hr) with 9 m hose @ 4 m rise
 30 CFM @ 6.2 bar to transfer 90.7 kg/hr (200 lb/hr) with 18 m hose @ 4 m rise
 Dry, non-lubricated

Air Conditioning

Operating Air

Dynamic

Minimum pressure 2.75 bar (0.275 MPa or 40 psi)
 Maximum pressure 5.5 bar (0.55 MPa or 80 psi)
 Maximum pressure 6.9 bar (0.69 MPa or 100 psi)

Static

Inlet Air Connection

¼ in. NPT female
 ¼ in. BSPP female
 G ¼ female

Electrical Service

100-240 single phase

Power Cord

Customer Supplied, 14-18 AWG

Dimensions

Single-feed Adhesive Bin Clearance

(W) 480 mm x (D) 554 mm x (H) 917 mm (19 x 22 x 36 in)

Multi-feed Adhesive Bin Clearance

(W) 688 mm x (D) 667 mm x (H) 1656 mm (26 x 27 x 65 in)

Adhesive Bin Capacity

Single-feed Bin

40 kg (88 lb) usable with grate

Multi-feed Bin

64 kg (141 lb) usable without grate

Enclosure Rating

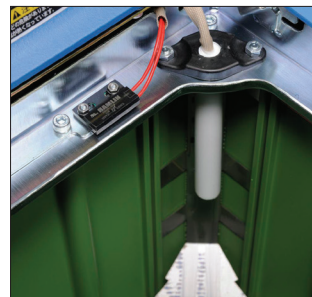
IP54

Noise Emission

76 dBA



Optional large filter for heavily dusted adhesives



Close-up of sensor and lid switch

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

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