

MiniPUR™ Plus

Polyurethane Melter

Compact melter simplifies and economizes use of polyurethane (PUR) hot melt adhesive for low-volume users.



Features

The Nordson MiniPUR Plus melter makes hot melt polyurethane (PUR) adhesive use simple and more cost effective for the small, low-volume user. The melter tank efficiently handles up to 4-liters of PUR adhesive from various formats including 2-kilogram slugs and granules. The MiniPUR Plus melter's capability to create an inert gas blanket helps to preserve adhesive integrity.

The MiniPUR Plus melter has a specially-designed lid for easy, reliable operation. It offers two levels of inert gas pressure protection, through a spring-assisted lid or a safety valve, and has a non-stick coating for easy cleaning. The tank is pressurized to keep outside air from entering the tank.

The melter is easy to operate and maintain with variable speed AC motor, non-stick coated tank and easy access panels. MiniPUR Plus melters can be expanded with options including additional hose and gun pairs and I/O boards.

Benefits

- Tank system enables use of cost-effective PUR adhesive forms.
- Melter processes all the adhesive, so no residual waste.
- Inert gas blanket allows adhesive to remain in the tank for up to several days without losing bonding integrity or having adhesive begin curing.
- Simple connections and component accessibility make set-up and operation user-friendly.
- Graphic indicators and easy-to-use controls simplify programming and system monitoring.
- Reliable tank lid design has double air pressure protection and non-stick coating.
- The design allows use of low cost, low usage inert gas supply.
- The system supports a wide range of processing temperatures, including as low as 40° C (100° F) to accommodate heat sensitive substrates.

Specifications

Type of System	Tank with spur-gear pump
Holding Capacity	4 L (244 in ³) 3.9 kg (8.6 lb)
Throughput (per hour)¹	6.3 kg (13.9 lb)
Melt Rate (per hour)¹	4 kg (8.8 lb)
Maximum Pump Rate (per hour)²	35 kg (77 lb) or 50 kg (110 lb)
Number of Hoses/Guns	up to 2
Maximum Working Hydraulic Pressure	75 bars (1100 psi)
Operating Temperature Range	40 to 180°C (100 to 356°F)
Ambient Temperature Range	0 to 50°C (32 to 122°F)
Temperature Control Stability	±0.5°C (1°F)
Gas Pressure for Inert Gas Blanket	0.2 bars (29 psi)
Electrical Service³	200 to 240 VAC single phase 50/60 Hz
Maximum System Power Capacity @240 VAC	3355 watts
Approx. Melter Weight (empty)	43 kg (95 lbs)
Melter Dimensions	
Width	334 mm (13.1 in.)
Height	560 mm (22.04 in.)
Depth	652 mm (25.66 in.)

¹ Actual rates will vary depending on adhesive type, application parameters and input voltage.

² Values shown for melter @ 60 Hz.

³ Permitted deviation from rated line voltage is ±10%.



Nitrogen Generation System



The Nordson nitrogen generation system is an ideal solution to efficiently, economically maintain the nitrogen gas blanket for MiniPUR Plus melters. The compact, self-contained system isolates nitrogen from plant supply air to yield 95-99.5 percent pure nitrogen.

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

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