

VERSATEC™ P20 Bulk Melters

20-liter/5-gallon Pail Melters

The Next Generation of Bulk Melters for Hot Melt Processing

Nordson's VERSATEC bulk melters are designed for precise, high-demand, hot melt adhesive applications using 20 L (5 gal) pails. Featuring the new CHORUS™ Controls platform and enhanced hardware, the VERSATEC bulk melter delivers smart self-learning and heating functionality with exceptional expandability.

The high-performance CHORUS Controls HMI provides full control over the adhesive application process and system status at a glance. It integrates dual-channel TruFlow™ Flex control capabilities for flow metering and supports up to 3 ACM expansions for additional heating zones, flow metering channels, and auxiliary pump station control.

The VERSATEC bulk melters melt only the surface layer of adhesive, keeping residual material in the pails solid to minimize thermal stress and preserve bond integrity. An integrated, real-time adhesive level monitoring system allows precise platen bottom positioning, effectively reducing adhesive residue in pails.

Key Features

- Fully configurable, feature-rich melter series
- Industrial, high-performance design
- Volumetric Intelligence Mode
- Smart Heating Control
- CHORUS Controls
- Real-time adhesive level monitoring and visualization
- Enhanced electromagnetic shielding and safety
- Auxiliary Control Modules (ACM) support future expansion

Benefits

- CHORUS Controls simplify operation with a responsive and intuitive HMI
- Advanced algorithms enhance thermal control and material delivery performance
- Advanced diagnostics and reporting capabilities maximize production uptime
- Adhesive residue in pails is minimized to reduce your material costs

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 Level monitoring system detects the adhesive filling level in real time, simplifies the fill level threshold setting via HMI and helps to minimize adhesive residue

 CHORUS Controls with large 10.1-inch touchscreen and new GUI give a good overview of operation and status conditions

 Adjustable clamp for accurate positioning of metal or fiber pails



 Supports precision gear pump with variable speed AC motor or piston pump with air motor to meet different application requirements

 Manual or automatic aeration system

VERSATEC ACM (Auxiliary Control Module)

The ACM is an optional accessory for the VERSATEC bulk melter that expands system capability. Up to 3 units are supported per melter for additional heating zones, flow metering channels, and auxiliary pump station control, giving you the flexibility to grow with your application needs



Product Assembly

VERSATEC P20 Bulk Melters

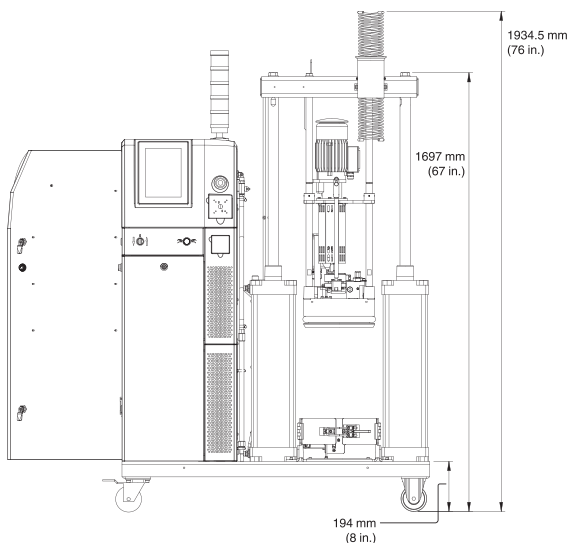
20-liter/5-gallon Pail Melters

Specifications

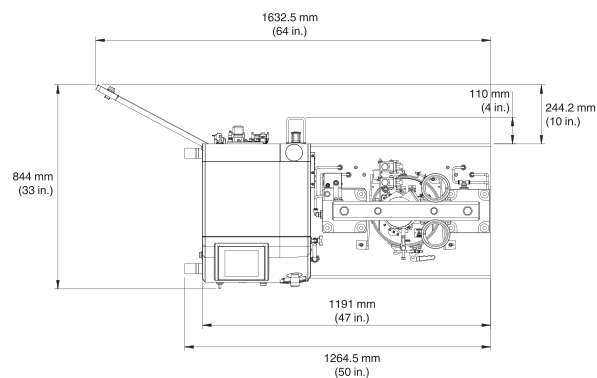
Type of System	Gear pumps, AC motors	Piston pump, Air motor
Pail Diameter	280 mm (11 in.) or 286 mm (11.3 in.)	
Maximum Pump Rate	Up to 37.1 kg/hr	42:1
Number of Hoses/Applicators	2 standard (hydraulic & electrical) & up to 4 additional (electrical only)	
Maximum Working Hydraulic Pressure	85 bar (1,233 psi)	200 bar (2,900 psi)
Operating Temperature Range	25 to 230 °C (77 to 450 °F)	
Ambient Temperature Range	-5 to 40 °C (23 to 100 °F)	
Temperature Control Stability	±1 °C (2 °F)	
Temperature Sensor	RTD (Ni120 or Pt100)	
Electrical Service	240 VAC 3Phase Delta / 400 VAC 3Phase WYE / 480 VAC 3Phase Delta	
Maximum System Power Capacity	22,235 W	
Weight (empty)	335 kg (739 lb)	
Input/Output Capability Standard	5 Inputs / 7 Outputs	
Melter Dimensions (W×H×D)	1,265 mm × 1,935 mm × 710 mm (50 in. × 76 in. × 28 in.)	
Installation (service) Dimensions	1,755 mm × 2,200 mm × 916 mm (69 in. × 87 in. × 36 in.)	
Ingress Protection	IP54	

Dimensions (mm and inches)

Front view



Top view



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

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