

# OneMelt

## Automatic and Manual Hot Melt Dispensing Systems

A turn-key solution that provides an improved process, product quality, and reliability



OneMelt systems are engineered to ensure that manufacturers running low-speed production lines successfully integrate hotmelt adhesive into their process. Designed specifically for low volume production lines, OneMelt ensures manufacturers achieve results on par with large brands, without the need for expensive equipment.

With a melt rate of 1 kg/hour, OneMelt provides sufficient capacity for low volume production lines. This ensures energy efficiency, reduced adhesive charring, and enhanced savings.

Significant adhesive savings are observed when a handheld cartridge gun is replaced with an OneMelt system due to accurate dispensing and better temperature control.

### Benefits

- Reliability - Consistent temperature and pressure. Superior engineering. Controllable dispensing timing.
- Affordability - Up to 50% less expensive than other systems
- Easy integration - Plug-and-play
- Low capacity - Engineered for small quantity production where you will use 1 kilo/hr of adhesive
- Simple user-interface - Two buttons controls all system settings



Automatic OneMelt System



Manual OneMelt System

# OneMelt Automatic and Manual Hot Melt Dispensing Systems

## Specifications

Item/Model	Automatic OneMelt System	Manual OneMelt System
Hose size	5/16" x 8' T-style cordset with a special sensor	5/16" x 8' handgun hose
Hose quantity	2	1
Applicator type	Automatic rod mount with solenoid-spring closed ball and seat module	AD-41 handgun-bottom feed, small ball and seat
Applicator quantity	2	1

## General Specifications

Item/Model	OneMelt Tank Unit
Weight of empty melter	17 kg (37.5 lb)
Weight of a full tank melter	19 kg (41.9 lb)
Hose ports	2
Melt rate	1 kg/hr (2.2 lb/hr)
Throughput rate	7 kg/hr (15.4 lb/hr)

## Electrical Specifications

Item/Model	OneMelt Tank Unit
Melter power requirements	230 VAC 1-phase power draw, 12 A
Hose/applicator heating capacity	2 hose/applicator pairs
Control temperature range	110-190° C (230-375° F)
Control temperature accuracy	±2.5° C (±2.5° F)
Input voltage tolerance	+10%, -15%

## Pump Specifications

Item/Model	OneMelt Tank Unit
Air pressure while running	0.7-6.9 bar (10-100 psi)
Minimum air pressure	0.7 bar (10 psi)
Viscosity range	800-10,000 cps
Maximum hydraulic pressure	69 bar (1,000 psi)

## Hose Specifications

Item/Model	OneMelt Tank Unit
Operating hydraulic pressure	103 bar (1500 psi) maximum (5/16 in. hose)
Electrical service	See the hose identification plate
Operating temperature	204° C (400° F) maximum

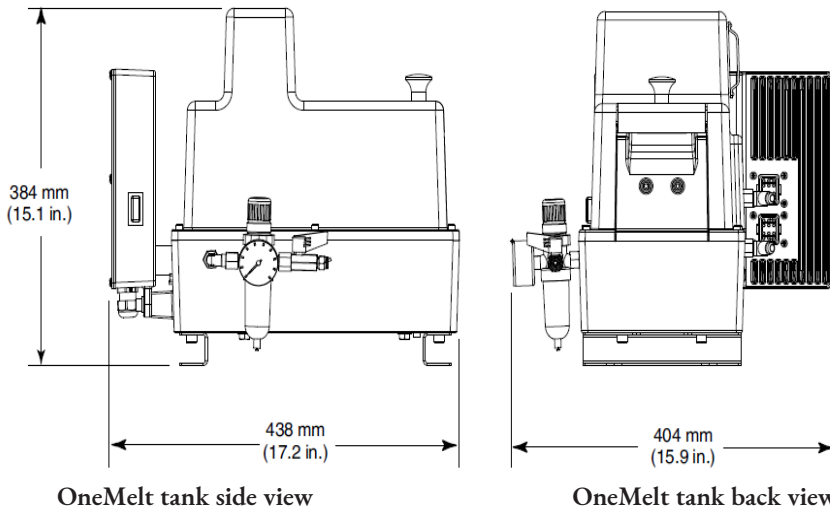
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## Specifications

### Automatic Applicator Specifications

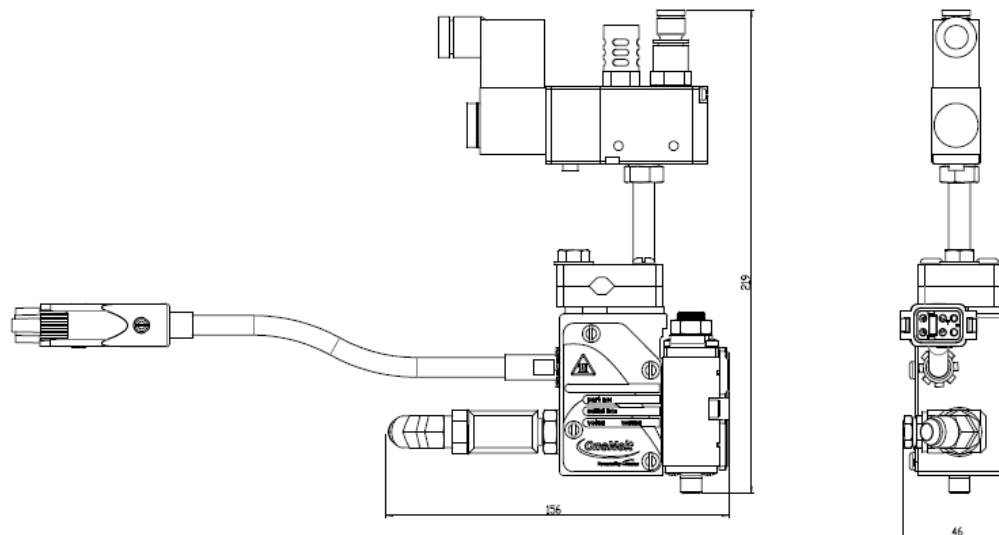
Item/Model	OneMelt Tank Unit
Operating hydraulic pressure	103 bar (1500 psi) maximum
*Operating air pressure	3.1-5.5 bar (40-80 psi)
Operating speed	Up to 1,000 cycles per minute
Electrical service	240 VAC, 50/60 Hz
Operating temperature	204° C (400° F) maximum
Nozzle type	Nordson Saturn Series

\*Recommended range. Dry, regulated, unlubricated air is required.



**For more information, please visit [www.onemelt.com](http://www.onemelt.com).**

**India**  
 OneMelt  
 Nordson India Private Ltd.  
 Main Office for South Asia  
 143A, Bommasandra  
 Industrial Area  
 Bangalore 560 099, India  
[support@onemelt.com](mailto:support@onemelt.com)



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