

DURABLU L SERIES

Adhesive Melters - 4, 10 & 16 Liter



Equipment Description

- Nordson DuraBlue L Series melters feature fixed-speed AC motors with gerotor gear pumps for easy to operate, low-maintenance hot melt adhesive application. A non-stick coated, tube tank eliminates dead corners and minimizes adhesive char. Pump operation can be controlled by a handgun trigger or a foot switch.

Features - DuraBlue melters

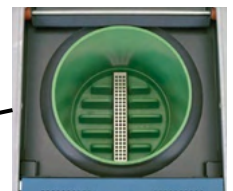
- ✓ Easy to Install
- ✓ Simplify Routine Maintenance
- ✓ Easy Day-to-Day Operation



Status-at-a-glance indicators graphically display the status of the tank, hose and gun

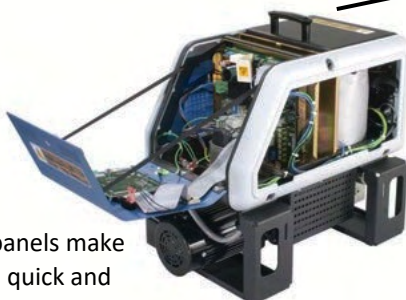


Easy-to-use controls eliminate complicated programming



Large, accessible tank opening allows easier filling and cleaning

Easy access panels make maintenance quick and simple



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DURABLU[®] L SERIES

Adhesive Melters - 4, 10 & 16 Liter



Specifications

Type of System	Tank with gerotor pump
Max Pump Rate ¹ (per hour)	22, 35 or 50kg (48, 77 or 110lbs)
Number of Hoses/Guns	2
Filter Type ²	Saturn [®] basket-style filter
Max Working Hydraulic Pressure ³	75 bar (1100 psi)
Operating Temperature Range	40°C - 230°C (100°F - 450°F)
Ambient Temperature Range	0°C - 50°C (32°F - 122°F)
Temperature Control Stability	±0.5°C (1°F)
Electrical Service ⁴	120 VAC single phase 60Hz 200 to 240 VAC single phase 50/60Hz



Quick plug-in hose/gun pairs

	DuraBlue 4L	DuraBlue 10L	DuraBlue 16L
Holding Capacity	4L (244in ³) 3.9kg (8.6lbs)	10L (610in ³) 9.7kg (21.4lbs)	16L (976in ³) 15.5kg (34.1lbs)
Throughput (per hour) ⁵	6.3kg (13.9lbs)	12.5kg (27.5lbs)	20kg (44lbs)
Melt Rate (per hour) ⁵	4.7kg (10.43lbs)	7.7kg (17lbs)	11.2kg (24.7lbs)
Max System Power Capacity			
@120 VAC	2400 watts	2400 watts	2400 watts
@240 VAC	3355 watts	3915 watts	4415 watts
Approx Weight (empty)	42kg (92lbs)	76kg (168lbs)	80kg (175lbs)
Dimensions			
Width	334mm (13.1in)	441mm (17.4in)	441mm (17.4in)
Height	478mm (18.8in)	649mm (25.5in)	649mm (25.5in)
Depth	552mm (21.7in)	620mm (24.4in)	620mm (24.4in)

¹ Values shown for melter @ 60 Hz.

² Filter not available on all melters.

³ Maximum pressure varies by unit.

⁴ Permitted deviation from rated line voltage is ±10%.

⁵ At 240 volts; actual rates will vary depending on adhesive type, application parameters and input voltage.

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SERIES AD-41

HANDGUNS & HOSES



- ✓ **Balanced handgrip and 360-degree swivel** minimize operator fatigue and promote accurate dispensing at any angle.
- ✓ **Easy adhesive pattern changes**, including top-feed, bottom-feed and down-apply extruded bead and spray patterns.
- ✓ **Ever-cool handle** promotes comfort and reduces burn risk by enclosing heated components and flow paths within the gun body, not the handle.
- ✓ **Thumb safety switch** helps prevent accidental dispensing.
- ✓ **Optional air control kit** simultaneously manages on-off air flow and adhesive flow for exceptional swirl or spray pattern control and repeatability.
- ✓ **Select Series™ AD-41-H Series guns** and hoses are also compatible with Proflex® melt units from Hot Melt Technologies, Inc.



Ergonomic handguns increase adhesive application flexibility options and reduce operator fatigue.



AD-41 Equipment Description

- Nordson AD-41 handguns meet a wide range of hot melt adhesive application needs with quick-connect nozzle adapters and easy angle orientations to produce bead, swirl and spray patterns.
- The handgun's internal RTD (resistance temperature detector) provides consistent adhesive temperature and flow during continuous or intermittent operation. Operating temperatures ranging from 130° to 450°F (55° to 230°C) can be selected to accommodate a wide variety of adhesive and substrate properties.
- Dual-ground paths protect the operator from injury and equipment from damage. Electrical connections use make-first break-last ground pins to prevent power up of the hose or handgun without a grounded connection.
- AD-41 handguns and hoses stand up to demanding bonding and sealing applications. Durable hose connectors, nozzle adapters and internal components provide long service life.

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SERIES AD-41

HANDGUNS & HOSES



Top-feed extrusion handgun



Top-feed handgun with swirl adapter and hose



Handgun with down-apply extrusion nozzle



Handgun end of hose has one cordset. Melter end has standard cordset to melter, and second cordset for optional air control kit for swirl and spray patterns.

Specifications

Maximum Operating Temp	450° F (230° C)
Maximum Hydraulic Pressure	1500 psi (103 bar)
Electrical Requirements	115 VAC, 50/60 Hz
Handgun Dimensions	230 VAC, 50/60 Hz
Length	7.38 in (187.5 mm)
Depth (without nozzle)	6.31 in (160.3 mm)
Width	1.62 in (41.1 mm)
Weight	1.4 lb (635 g)
Extrusion Nozzle Orifice Diameters*	
Standard	0.020, 0.030, 0.040, 0.050, 0.060, 0.090 in. (0.51, 0.76, 1.02, 1.27, 1.52, 2.29 mm)
Extended	0.042, 0.061, 0.090, 0.130 in. (1.07, 1.55, 2.29, 3.30 mm)
Optional Pattern Adapters	
Swirl Adapter & Down-Apply Swirl Adaptor*	Accepts swirl nozzles
Down-Apply Extrusion Adapter*	Accepts extrusion nozzles
Wide-Spray Adapter/Nozzle	Complete adapter/nozzle combination
Available Hoses	
5/16in diameter	8, 12, 16 ft (2.4, 3.6, 5.0 m)

*specify and purchase nozzles separately

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