

Select Series™ AD-41-H Dispensing Handguns and Hoses



*Ergonomic handguns
and efficient hoses
reduce operator fatigue,
while increasing
application options.*

Nordson® Select Series™ AD-41-H handguns and hoses improve the performance of your non-Nordson manual hot melt systems.

By replacing non-Nordson components with Nordson Select Series handguns and hoses, you can increase ease of operation and versatility to your production. AD-41-H handguns and hoses are compatible with Proflex® melt units from Hot Melt Technologies, Inc.

Nordson Select Series AD-41-H handguns offer a selection of nozzle adapters and orientations to produce bead extrusion, swirl and spray patterns. Bottom-feed, top-feed and down-apply configurations readily handle specific dispensing positions for pinpoint hot melt placement. Quick-connect adapters provide easy pattern conversions from standard extrusion nozzles to swirl, spray, or down-apply extrusion. Operators can easily modify spray patterns by changing the nozzle adapter.

AD-41-H handguns stand up to demanding bonding and sealing applications. Durable hose connectors, nozzle adapters and internal components provide long service life.

Select Series handgun hoses provide safe operation. Dual-ground paths protect the operator from injury and equipment from damage. Also, electrical connections use make-first break-last ground pins to prevent power up of the hose or handgun without a grounded connection.

Ergonomic design offers greater safety and comfort.

- An **ever-cool handle** promotes comfort and reduces burn risk by enclosing heated components and flow paths within the gun body, not the handle.



AD-41-H Handgun with Wide Pattern Spray Adapter/Nozzle

- **Balanced handgrip and smooth pivot action** help minimize operator fatigue and promote accurate dispensing at any angle.
- **Thumb safety switch** helps prevent accidental dispensing.
- **A 360-degree swivel connector** permits smooth operation, even at 1500 psi.

Functional features provide production consistency and versatility.

- **Optional air control kit** simultaneously manages on-off activity of air flow and adhesive flow for defined swirl or spray pattern control and repeatability.
- **Nozzle adapter and orientation choices** allow online pattern conversions. A broad selection of standard and application-specific nozzles in varying orifice diameters meets diverse application requirements.
- **Handgun resistance temperature detector (RTD) sensing** maintains consistent hot melt temperature for repeatable results.

Select Series™ AD-41-H Handguns and Hoses



Top-Feed Handgun with Swirl Adapter and Hose



Handgun with Down-Apply Extrusion Nozzle



Top-Feed Extrusion Handgun



Select Series AD-41-H Handgun Hose

Durable handgun hoses extend service life.

- **Aramid insulation** in hoses improves chemical and moisture resistance, eliminating hardware corrosion caused by emissions at elevated temperatures.
- **High-flex hose construction, with closely spaced wiring pitch,** allows uniform heating and less strain on wiring when flexed.
- **Point-sensing temperature devices** on manual hoses accommodate continuous movement applications.

Specifications

Operating Temperature	450° F (230° C) maximum
Maximum Hydraulic Pressure	1500 psi (103 bar)
Electrical Requirements	115 VAC, 50/60 Hz
Electrical Compatibility	Single gun works on both 240 VAC and 115 VAC Proflex melt units

Handgun Dimensions

Length	7.38 in. (187.5 mm)
Depth (w/o 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 and Down-Apply Swirl Adapter*	Accept swirl nozzles
Down-Apply Extrusion Adapter*	Accepts extrusion nozzles
Wide-Spray Adapter/Nozzle	Complete adapter/nozzle combination

Option AD-41-H Air Control Kit

Available Hoses 8, 12, 16 ft (2.4, 3.6, 5.0 m) 5/16 in. dia

* Specify and purchase nozzles and adapters separately.
Proflex is a registered trademark of Hot Melt Technologies, Inc.

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

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