

# 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

<b>Operating Temperature</b>	450° F (230° C) maximum
<b>Maximum Hydraulic Pressure</b>	1500 psi (103 bar)
<b>Electrical Requirements</b>	115 VAC, 50/60 Hz
<b>Electrical Compatibility</b>	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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