

Series AD-41 Handguns



Ergonomically designed, easy-to-operate handguns reduce worker fatigue while increasing the range of pattern applications and operating functions.

Nordson® Series AD-41 Handguns combine ease of operation with a wide range of pattern nozzles to give you additional application options on the production line. Changing spray patterns is simply a matter of changing nozzle adapters. Switching from standard extrusion nozzles to different pattern nozzles such as the spray, swirl, and down-apply extrusion nozzles is easy using quick-connect adapters. The handgun also features 360-degree swivel action to handle a multitude of product assembly and sealing applications.

The balanced handgrip and smooth pivot action provide comfortable operation all day long – an important detail that really matters when looking for consistent accuracy.

Trigger switching of the compressed air line easily accommodates a variety of application requirements. You can control on-off activity of the air flow and adhesive flow simultaneously with the single handgun trigger (requires the Air Control Kit).

The handgun's internal RTD (resistance temperature detector) ensures the hot melt temperature remains consistent as it flows through the gun as well as when flow (usage) is intermittent. 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.

Safety features include an impact-resistant shell and “ever cool” handle. Also, a thumb safety switch allows you to lock the trigger preventing accidental dispensing. The gun is shipped fully assembled – no wiring or assembly required at installation.



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

Designed with the operator in mind, the lightweight Series AD-41 Handguns stand up to the most demanding applications. Durable hose connectors, nozzle adapters and internal components provide long service life.

Features & Benefits

- **Ergonomic design** offers greater operator comfort for increased productivity and reduced physical stress.
- **Balanced handgrip** features “ever cool” design to promote easy handling and dispensing at any angle.
- **A variety of standard and application-specific nozzles** with varying orifice diameters meet numerous application requirements.
- **360° swivel connector** permits smooth operation, even at 1500 psi.



AD-41 Top- Feed Handgun with Swirl Adapter and Hose.



AD-41 Handgun with Down-Apply Extrusion Nozzle.



AD-41 Top-Feed Extrusion Handgun.



Handgun end of hose has one cordset. Unit end has standard cordset to unit, and second cordset for air control kit needed for swirl and spray patterns.

Specifications

Maximum Operating Temperature:	450°F (230°C)
Maximum Hydraulic Pressure:	1500 psi (10.34 MPa)
Electrical Requirements:	230 VAC, 50/60 Hz 115 VAC, 50/60 Hz
Electrical Compatibility:	PA-2510, PA-2520, and Series 3000 Applicators PA-2510 Applicator
	AD-41, 230 VAC: AD-41, 115 VAC:
Weight:	1.4 lb (635 g)
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)
Extrusion Nozzles:	(ordered separately)
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, respectively)
Extended:	0.042, 0.061, 0.090, 0.130 in. (1.067, 1.55, 2.29, 3.30 mm, respectively)
Optional Pattern Adapters:	(ordered separately)
AD-41 Swirl Adapter:	accepts swirl nozzles
AD-41 Down-Apply Swirl Adapter:	accepts swirl nozzles
AD-41 Down-Apply Extrusion Adapter:	accepts extrusion nozzles
AD-41 Wide-Spray Adapter/Nozzle:	complete
Optional:	AD-41 Air Control Kit

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