



# Slim Line Gun

## Replacement for Nordson® 8517895 / 8517923

Drawing No.: **MB2-BEL-STD-01-A-IA-000-T-TS-SP-F4-1** Rev. 1 • Released 2026-01-27

**READ FIRST:** Read document **HMSC-SAF-001 (Safety Instructions for Hot Melt Adhesive Equipment)** before installing, operating, or servicing this product. The safety instructions ship with every Hot Melt Supply Company product and are also available at [www.hotmeltsupplyco.com](http://www.hotmeltsupplyco.com). This document supplements, but does not replace, HMSC-SAF-001.

### 1. Product Description

The Slim Line Gun is a single-module pneumatic hot melt adhesive applicator manufactured by Hot Melt Supply Company, LLC as a direct replacement for the Nordson® MiniBlue® II 8517895 and 8517923 applicators. It is engineered for high-speed intermittent bead dispensing in packaging, product assembly, paper converting, and general industrial adhesive applications. The applicator integrates a brazed ball-needle module, an integrated air solenoid valve, an electric cartridge heater, and an RTD temperature sensor in a compact, in-line body designed for tight machine layouts.

The gun features a single module with solenoid valve, a Type T cord set for power and signal, JIC-style adhesive inlet, and a stainless-steel sheet metal cover for thermal and operator protection. All wetted parts are designed for compatibility with standard EVA and polyolefin-based hot melt adhesives operating up to typical industry temperatures.

### 2. Key Features

- Direct, drop-in replacement for Nordson® 8517895 and 8517923 MiniBlue® II applicators
- Single-module configuration with integrated MAC solenoid valve for fast cycle times
- Brazed ball-and-needle module with Rulon® washer piston seal for extended service life
- 100-watt, 240-volt cartridge heater with RTD temperature sensor for precise thermal control
- Compact in-line body geometry suited for narrow machine envelopes
- Stainless-steel covers and isolator plate for operator protection and thermal isolation
- JIC 45° hydraulic adhesive inlet fitting (Parker 6-V5OX-S, 3/8 JIC × 9/16-18 SAE)
- Type T blue series cord set for combined power and signal connection
- Manufactured in the USA; one-year limited parts and labor warranty

### 3. Technical Specifications

Parameter	Specification
Product name	Slim Line Gun (single-module MiniBlue® II compatible applicator)



**PRODUCT DOCUMENTATION**

Slim Line Gun • Replacement for Nordson® 8517895 / 8517923

Parameter	Specification
Replaces (Nordson® P/N)	8517895, 8517923
Drawing number	MB2-BEL-STD-01-A-IA-000-T-TS-SP-F4-1
Configuration code	MB2 / BEL / STD / 1 / A / IA / 0 / T / TS / SP / F4 / 1
Module type	BEL — brazed ball needle, Rulon® washer piston seal
Orifice size	STD (standard)
Number of modules	1
Module spacing	0 (single module)
Heater voltage	240 V AC
Heater wattage	100 W cartridge heater (0.375 in × 28 mm)
Temperature sensor	RTD, 0.187 in dia × 1.25 in length
Solenoid voltage	24 V DC
Solenoid power	12 W
Solenoid manufacturer	MAC, P/N 26A-11-C01-BD-BKX0-1PN MOD 8484(SC)
Air type	IA (independent air)
Cord set	Type T — 3000 Blue Series
Cord set position	TS
Hydraulic connector	Parker 6-V5OX-S, 3/8 JIC tube to 9/16-18 SAE, 45° fitting
Number of hydraulic ports	1
Adhesive inlet filter	Mini Blue filter, M14 × 1.5, 4 mm hex socket
Max operating temperature setpoint	200°C (392°F)
Operating hydraulic pressure range	100 – 1,200 psi (6.9 – 82.7 bar)
Operating air pressure range	30 – 90 psi (2.1 – 6.2 bar)
Ambient operating temperature	Ambient indoor industrial environment, up to 38°C (100°F)
Overall length (approx.)	6.71 in
Overall height (approx.)	5.06 in
Module spacing dim.	3.11 in (mounting reference)

**Hot Melt Supply Company, LLC**

506 B Plantation Park Dr • Loganville, GA 30052 • Toll-free: 1-888-202-1788  
 sales@hotmeltsupplyco.com • [www.hotmeltsupplyco.com](http://www.hotmeltsupplyco.com)



**PRODUCT DOCUMENTATION**

Slim Line Gun • Replacement for Nordson® 8517895 / 8517923

Parameter	Specification
Country of manufacture	Made in the USA
Warranty	1-year limited parts and labor (excludes char, misuse, electronics)

#### 4. Electrical Specifications

Component	Voltage	Power	Notes
Cartridge heater	240 V AC	100 W	0.375 in × 28 mm
Solenoid valve	24 V DC	12 W	MAC 26A-11-C01-BD-BKX0-1PN
Temperature sensor	RTD	—	0.187 in dia × 1.25 in L

**WARNING:** Confirm supply voltage matches the heater rating on the gun before connecting power. Applying a voltage other than the rated 240 V AC will result in immediate damage and void the warranty. Verify solenoid supply is regulated 24 V DC.

#### 5. Configuration Code

This applicator is identified by an 11-position configuration code that describes group, module type, orifice, count, voltage, air, spacing, cord set, solenoid, hydraulic connector, and port count. The configuration of this gun is shown below.

Pos.	Code	Meaning
1	MB2	Group — MiniBlue® II family
2	BEL	Module type — brazed ball needle, Rulon® washer piston seal
3	STD	Orifice size — standard
4	1	Number of modules — one
5	A	Voltage — 240 V AC heater
6	IA	Air type — independent air
7	0	Module spacing — single module (n/a)
8	T	Cord set type — Type T, 3000 Blue Series
9	TS	Cord set position
10	SP	Solenoid — single, integrated MAC valve



**PRODUCT DOCUMENTATION**

Slim Line Gun • Replacement for Nordson® 8517895 / 8517923

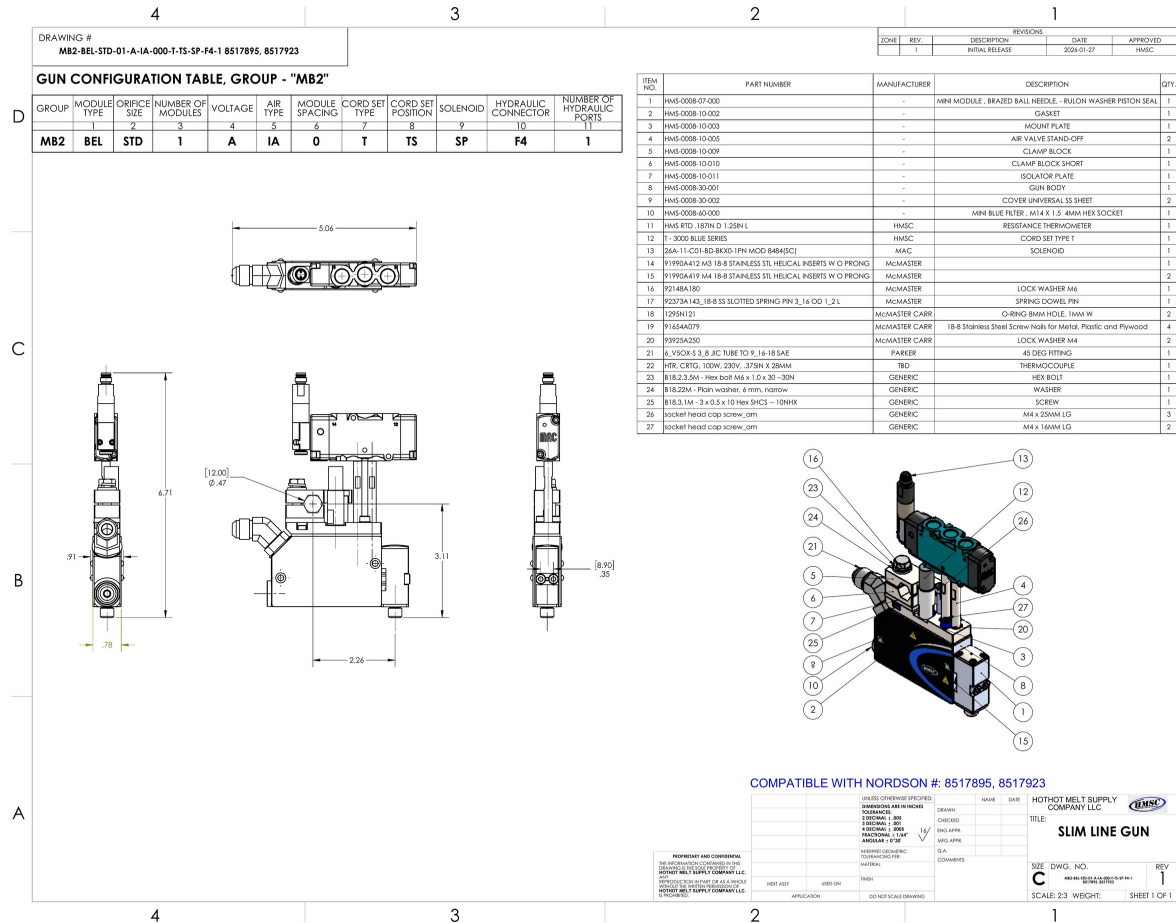
Pos.	Code	Meaning
11	F4	Hydraulic connector — Parker 6-V5OX-S, 3/8 JIC × 9/16-18 SAE, 45°

**6. Compatibility & Cross-Reference**

OEM Part Number	Description
Nordson® 8517895	MiniBlue® II single-module applicator with solenoid valve
Nordson® 8517923	MiniBlue® II single-module applicator (compatible variant)
Nordson® 1131020	MiniBlue® II single-module applicator (alternate cross-reference)

## 7. Engineering Drawing

Drawing MB2-BEL-STD-01-A-IA-000-T-TS-SP-F4-1 — Slim Line Gun, compatible with Nordson® 8517895 and 8517923.





---

## 8. Installation & Service Notes

---

Installation should be performed by qualified maintenance personnel familiar with industrial hot melt equipment. The gun is supplied complete with module and solenoid valve installed and pressure-tested. Before installation or service, follow the General Pressure Relief Procedure and Lockout/Tagout sequence in HMSC-SAF-001.

- Allow the system to cool to a safe handling temperature before removing or installing the applicator.
- Verify supply voltage: 240 V AC for the heater and regulated 24 V DC for the solenoid.
- Connect the Type T cord set; route away from heated surfaces and pinch points.
- Connect the hydraulic inlet using a 9/16-18 SAE male fitting to the supplied Parker 6-V5OX-S 45° JIC fitting.
- Verify clean, dry, regulated independent air (IA) supply (30–90 psi) to the solenoid before pressurizing.
- Bring system up to operating temperature before opening the dispense valve; operating below adhesive softening temperature may damage the module.
- Do not exceed the maximum operating temperature setpoint of 200°C (392°F) or the maximum hydraulic pressure of 1,200 psi.
- Replace the inlet filter (Item 10) periodically per your adhesive supplier's recommendation to prevent char ingress.
- Inspect O-rings (Item 18) at each module rebuild; replace if cracked, flattened, or contaminated.

### Pressure Relief — Slim Line Gun

This applicator has no internal pump or pressurized reservoir; adhesive pressure originates from the parent equipment (tank, melter, or feed system) and is delivered through the inlet hose. To safely depressurize before service:

- Disable the parent equipment's adhesive pump by stopping rotation or removing pneumatic air supply. Close the pump's adhesive supply valve if applicable.
- Direct the gun nozzle into a heat-resistant waste container.
- Trigger the gun (open the solenoid) until adhesive flow stops and no further adhesive is dispensed from the nozzle.
- Close the compressed air supply to the gun's solenoid, apply lockout, and bleed downstream air to zero by triggering the solenoid until air pressure reads zero.
- Allow the gun to cool to below 100°F (38°C) before loosening the hydraulic inlet fitting or removing the module, covers, or nozzle.
- Wear required PPE (heat-resistant gloves, safety glasses, face shield) when loosening any pressurized connection.

---

## 9. Warranty & Disclaimer

---



## PRODUCT DOCUMENTATION

Slim Line Gun • Replacement for Nordson® 8517895 / 8517923

---

Hot Melt Supply Company, LLC warrants this applicator to be free from defects in materials and workmanship for a period of one (1) year from the date of shipment. This warranty covers parts and labor for repairs performed at Hot Melt Supply Company facilities. The warranty does not cover damage caused by char, contamination, misuse, improper voltage, lack of routine maintenance, or modifications. The warranty does not cover the electric heater, solenoid coil, or other electronic components against issues related to char, overheating, or operator misuse.

**Trademark Notice:** Hot Melt Supply Company, LLC is an independent company and is not affiliated with, endorsed by, or sponsored by Nordson Corporation or any other OEM. All products are manufactured by Hot Melt Supply Company unless otherwise noted. Any OEM names, part numbers, trademarks, or brands referenced are used for identification and reference purposes only to indicate compatibility with non-OEM replacement parts. Nordson® and MiniBlue® are registered trademarks of Nordson Corporation. Rulon® is a registered trademark of Saint-Gobain Performance Plastics. Parker® and MAC® are trademarks of their respective owners.