Welcome to the ProcessMate™ Temperature Control Unit, the most efficient process environmental control system on the market.

This manual will help you maximize the usefulness of your new ProcessMate.

Please spend a few minutes to become familiar with the controls and features. Follow our recommended testing procedures. Review the helpful information we have included, which is based on more than 50 years of industrial dispensing experience.

Most questions you will have are answered in this manual. However, if you need assistance, please do not hesitate to contact EFD or your authorized EFD distributor. Detailed contact information is provided on the last page of this document.

**The Nordson EFD Pledge**

Thank You!

You have just purchased the world’s finest precision dispensing equipment.

I want you to know that all of us at Nordson EFD value your business and will do everything in our power to make you a satisfied customer.

If at any time you are not fully satisfied with our equipment or the support provided by your Nordson EFD Product Application Specialist, please contact me personally at 800.556.3484 (US), 401.431.7000 (outside US), or Tara.Tareso@nordsonefd.com.

I guarantee that we will resolve any problems to your satisfaction.

Thanks again for choosing Nordson EFD.

Tara Tareso, General Manager
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Nordson EFD Product Safety Statement

⚠️ WARNING
The safety message that follows has a WARNING level hazard.
Failure to comply could result in death or serious injury.

ELECTRIC SHOCK
Risk of electric shock. Disconnect power before removing covers and / or disconnect, lock out, and tag switches before servicing electrical equipment. If you receive even a slight electrical shock, shut down all equipment immediately. Do not restart the equipment until the problem has been identified and corrected.

⚠️ CAUTION
The safety messages that follow have a CAUTION level hazard.
Failure to comply may result in minor or moderate injury.

READ MANUAL
Read manual for proper use of this equipment. Follow all safety instructions. Task- and equipment-specific warnings, cautions, and instructions are included in equipment documentation where appropriate. Make sure these instructions and all other equipment documents are accessible to persons operating or servicing equipment.

MAXIMUM AIR PRESSURE
Unless otherwise noted in the product manual, the maximum air input pressure is 7.0 bar (100 psi). Excessive air input pressure may damage the equipment. Air input pressure is intended to be applied through an external air pressure regulator rated for 0 to 7.0 bar (0 to 100 psi).

RELEASE PRESSURE
Release hydraulic and pneumatic pressure before opening, adjusting, or servicing pressurized systems or components.

BURNS
Hot surfaces! Avoid contact with the hot metal surfaces of heated components. If contact can not be avoided, wear heat-protective gloves and clothing when working around heated equipment. Failure to avoid contact with hot metal surfaces can result in personal injury.
**Nordson EFD Product Safety Statement (continued)**

**Halogenated Hydrocarbon Solvent Hazards**

Do not use halogenated hydrocarbon solvents in a pressurized system that contains aluminum components. Under pressure, these solvents can react with aluminum and explode, causing injury, death, or property damage. Halogenated hydrocarbon solvents contain one or more of the following elements.

<table>
<thead>
<tr>
<th>Element</th>
<th>Symbol</th>
<th>Prefix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorine</td>
<td>F</td>
<td>“Fluoro-“</td>
</tr>
<tr>
<td>Chlorine</td>
<td>Cl</td>
<td>“Chloro-“</td>
</tr>
<tr>
<td>Bromine</td>
<td>Br</td>
<td>“Bromo-“</td>
</tr>
<tr>
<td>Iodine</td>
<td>I</td>
<td>“Iodo-“</td>
</tr>
</tbody>
</table>

Check the Safety Data Sheet (SDS) or contact your material supplier for more information. If you must use halogenated hydrocarbon solvents, contact your EFD representative for compatible EFD components.

**High Pressure Fluids**

High pressure fluids, unless they are safely contained, are extremely hazardous. Always release fluid pressure before adjusting or servicing high pressure equipment. A jet of high pressure fluid can cut like a knife and cause serious bodily injury, amputation, or death. Fluids penetrating the skin can also cause toxic poisoning.

**WARNING**

Any injury caused by high pressure liquid can be serious. If you are injured or even suspect an injury:

- Go to an emergency room immediately.
- Tell the doctor that you suspect an injection injury.
- Show the doctor the following note.
- Tell the doctor what kind of material you were dispensing.

**Medical Alert — Airless Spray Wounds: Note to Physician**

Injection in the skin is a serious traumatic injury. It is important to treat the injury surgically as soon as possible. Do not delay treatment to research toxicity. Toxicity is a concern with some exotic coatings injected directly into the bloodstream.

**Qualified Personnel**

Equipment owners are responsible for making sure that EFD equipment is installed, operated, and serviced by qualified personnel. Qualified personnel are those employees or contractors who are trained to safely perform their assigned tasks. They are familiar with all relevant safety rules and regulations and are physically capable of performing their assigned tasks.
Nordson EFD Product Safety Statement (continued)

Intended Use
Use of EFD equipment in ways other than those described in the documentation supplied with the equipment may result in injury to persons or damage to property. Some examples of unintended use of equipment include:

- Using incompatible materials.
- Making unauthorized modifications.
- Removing or bypassing safety guards or interlocks.
- Using incompatible or damaged parts.
- Using unapproved auxiliary equipment.
- Operating equipment in excess of maximum ratings.
- Operating equipment in an explosive atmosphere.

Regulations and Approvals
Make sure all equipment is rated and approved for the environment in which it is used. Any approvals obtained for Nordson EFD equipment will be voided if instructions for installation, operation, and service are not followed. If the equipment is used in a manner not specified by Nordson EFD, the protection provided by the equipment may be impaired.

Personal Safety
To prevent injury, follow these instructions:

- Do not operate or service equipment unless you are qualified.
- Do not operate equipment unless safety guards, doors, and covers are intact and automatic interlocks are operating properly. Do not bypass or disarm any safety devices.
- Keep clear of moving equipment. Before adjusting or servicing moving equipment, shut off the power supply and wait until the equipment comes to a complete stop. Lock out power and secure the equipment to prevent unexpected movement.
- Make sure spray areas and other work areas are adequately ventilated.
- When using a syringe barrel, always keep the dispensing end of the tip pointing towards the work and away from the body or face. Store syringe barrels with the tip pointing down when they are not in use.
- Obtain and read the Safety Data Sheet (SDS) for all materials used. Follow the manufacturer’s instructions for safe handling and use of materials and use recommended personal protection devices.
- Be aware of less-obvious dangers in the workplace that often cannot be completely eliminated, such as hot surfaces, sharp edges, energized electrical circuits, and moving parts that cannot be enclosed or otherwise guarded for practical reasons.
- Know where emergency stop buttons, shutoff valves, and fire extinguishers are located.
- Wear hearing protection to protect against hearing loss that can be caused by exposure to vacuum exhaust port noise over long periods of time.
Nordson EFD Product Safety Statement (continued)

Fire Safety
To prevent a fire or explosion, follow these instructions:

• Shut down all equipment immediately if you notice static sparking or arcing. Do not restart the equipment until the cause has been identified and corrected.
• Do not smoke, weld, grind, or use open flames where flammable materials are being used or stored.
• Do not heat materials to temperatures above those recommended by the manufacturer. Make sure heat monitoring and limiting devices are working properly.
• Provide adequate ventilation to prevent dangerous concentrations of volatile particles or vapors. Refer to local codes or the SDS for guidance.
• Do not disconnect live electrical circuits when working with flammable materials. Shut off power at a disconnect switch first to prevent sparking.
• Know where emergency stop buttons, shutoff valves, and fire extinguishers are located.

Preventive Maintenance
As part of maintaining continuous trouble-free use of this product, Nordson EFD recommends the following simple preventive maintenance checks:

• Periodically inspect tube-to-fitting connections for proper fit. Secure as necessary.
• Check tubing for cracks and contamination. Replace tubing as necessary.
• Check all wiring connections for looseness. Tighten as necessary.
• Clean: If a front panel requires cleaning, use a clean, soft, damp rag with a mild detergent cleaner. DO NOT USE strong solvents (MEK, acetone, THF, etc.) as they will damage the front panel material.
• Maintain: Use only a clean, dry air supply to the unit. The equipment does not require any other regular maintenance.
• Test: Verify the operation of features and the performance of equipment using the appropriate sections of this manual. Return faulty or defective units to Nordson EFD for replacement.
• Use only replacement parts that are designed for use with the original equipment. Contact your Nordson EFD representative for information and advice.
Nordson EFD Product Safety Statement (continued)

Important Disposable Component Safety Information

All Nordson EFD disposable components, including syringe barrels, cartridges, pistons, tip caps, end caps, and dispense tips, are precision engineered for one-time use. Attempting to clean and re-use components will compromise dispensing accuracy and may increase the risk of personal injury.

Always wear appropriate protective equipment and clothing suitable for your dispensing application and adhere to the following guidelines:

• Do not heat syringe barrels or cartridges to a temperature greater than 38° C (100° F).
• Dispose of components according to local regulations after one-time use.
• Do not clean components with strong solvents (MEK, acetone, THF, etc.).
• Clean cartridge retainer systems and barrel loaders with mild detergents only.
• To prevent fluid waste, use Nordson EFD SmoothFlow™ pistons.

Action in the Event of a Malfunction

If a system or any equipment in a system malfunctions, shut off the system immediately and perform the following steps:

1. Disconnect and lock out system electrical power. If using hydraulic and pneumatic shutoff valves, close and relieve pressure.

2. For Nordson EFD air-powered dispensers, remove the syringe barrel from the adapter assembly. For Nordson EFD electro-mechanical dispensers, slowly unscrew the barrel retainer and remove the barrel from the actuator.

3. Identify the reason for the malfunction and correct it before restarting the system.

Disposal

Dispose of equipment and materials used in operation and servicing according to local codes.
# Specifications

**NOTE:** Specifications and technical details are subject to change without prior notification.

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet size</td>
<td>18.9 w x 7.1 h x 15.9 d cm (7.5 w x 2.8 h x 6.3 d&quot;)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.0 kg (2.2 lb)</td>
</tr>
<tr>
<td>Input AC (to power supply)</td>
<td>100–240 VAC (±10%) ~50/60Hz, 0.6 A</td>
</tr>
<tr>
<td>Output DC (from power supply)</td>
<td>24 VDC, 1.04 A maximum</td>
</tr>
<tr>
<td>Power requirements</td>
<td>24 VDC, 1.04 A maximum</td>
</tr>
<tr>
<td>Standard air input</td>
<td><em>2.8–7.5 bar (40–110 psi)</em></td>
</tr>
<tr>
<td><strong>WARNING:</strong> DO NOT exceed 7.5 bar (110 psi) or damage to the unit may occur.</td>
<td></td>
</tr>
<tr>
<td>Air usage</td>
<td>Up to 85 L/min (3 CFM). See page 16 for details.</td>
</tr>
<tr>
<td>Temperature control**</td>
<td>±0.1°C from 10–40°C (50–104°F)</td>
</tr>
<tr>
<td>Ambient operating conditions**</td>
<td>Temperature: -10–55°C (14–131°F)</td>
</tr>
<tr>
<td></td>
<td>Humidity: 85% RH at 30°C non-condensing</td>
</tr>
<tr>
<td></td>
<td>Height above sea level: 2000 m maximum (6562 ft)</td>
</tr>
<tr>
<td>Approvals</td>
<td>CE, China RoHS</td>
</tr>
</tbody>
</table>

**Under normal operating temperatures, the ProcessMate 6500 can maintain dispense process chamber setpoint within ±0.1°C, from 10–40°C (50–104°F). Normal operating conditions are considered to be an ambient air feed between 15–27°C (60–80°F). The ProcessMate 6500 will operate quite effectively outside of these temperatures, but it will affect the maximum and minimum temperatures the unit can generate.**

![Chart showing maximum / minimum temperatures based on ambient conditions](image)

*Ambient conditions include the ProcessMate unit, hoses, process chamber, and compressed air temperature.*
### Specifications (continued)

**RoHS标准相关声明 (China RoHS Hazardous Material Declaration)**

<table>
<thead>
<tr>
<th>外部接口</th>
<th>有害物质及元素</th>
</tr>
</thead>
<tbody>
<tr>
<td>External Electrical Connectors</td>
<td>铅 (Pb)</td>
</tr>
<tr>
<td>X</td>
<td>0</td>
</tr>
</tbody>
</table>

**O**: 表示该产品所含有的危险成分或有害物质含量依照EIP-A, EIP-B, EIP-C的标准低于SJ/T11363-2006限定要求。
Indicates that this toxic or hazardous substance contained in all the homogeneous materials for this part, according to EIP-A, EIP-B, EIP-C is below the limit requirement in SJ/T11363-2006.

**X**: 表示该产品所含有的危险成分或有害物质含量依照EIP-A, EIP-B, EIP-C的标准高于SJ/T11363-2006限定要求。
Indicates that this toxic or hazardous substance contained in all the homogeneous materials for this part, according to EIP-A, EIP-B, EIP-C is above the limit requirement in SJ/T11363-2006.
# Parts List

<table>
<thead>
<tr>
<th>Item</th>
<th>Part #</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7020340</td>
<td>ProcessMate 6500 temperature control unit</td>
<td>(1)</td>
</tr>
<tr>
<td>2</td>
<td>7002004</td>
<td>Tubing, 6 mm OD, urethane, blue</td>
<td>14.5 ft (4.50 m)</td>
</tr>
<tr>
<td>3</td>
<td>7015199</td>
<td>25W universal power supply</td>
<td>(1)</td>
</tr>
<tr>
<td>4</td>
<td>7020364</td>
<td>Insulation, 1/4&quot; ID X 3/8&quot; wall</td>
<td>6 ft (1.87 m)</td>
</tr>
<tr>
<td>5</td>
<td>—</td>
<td>Thermocouple, K type</td>
<td>(1)</td>
</tr>
<tr>
<td>6</td>
<td>—</td>
<td>Temperature control chamber</td>
<td>(1)</td>
</tr>
<tr>
<td>7</td>
<td>—</td>
<td>Fitting, union, Y, 6 mm, push-in</td>
<td>(1)</td>
</tr>
<tr>
<td>8</td>
<td>—</td>
<td>Fitting, union, strt, 6 mm push-in</td>
<td>(1)</td>
</tr>
<tr>
<td>9</td>
<td>7020375</td>
<td>Fitting, union, tee, 6 mm push-in</td>
<td>(1)</td>
</tr>
<tr>
<td>10</td>
<td>7020377</td>
<td>Fitting, stem elbow, 6 mm push-in</td>
<td>(2)</td>
</tr>
<tr>
<td>11</td>
<td>—</td>
<td>Plug, 6 mm push-in</td>
<td>(2)</td>
</tr>
<tr>
<td>12</td>
<td>—</td>
<td>Muffler, 6 mm push-in</td>
<td>(3)</td>
</tr>
<tr>
<td>13</td>
<td>7020800</td>
<td>Pivot bracket</td>
<td>(1)</td>
</tr>
</tbody>
</table>
Installation

1. Unpack the Unit
   Use the checklist enclosed with the ProcessMate to identify all items. If there is any discrepancy, please call us immediately.

2. Connect Power
   a. Connect the power plug to the power pack. The unit is shipped with a USA-compatible plug and three international plugs. Attach the correct plug to match local power outlets.
   b. Connect the power cord into the back of the ProcessMate.
   c. Connect the power cord into your local power source.

3. Connect Air Input
   NOTE: Clean, dry, filtered factory air is required to meet the warranty. If your air supply is not filtered, order the EFD five-micron filter / regulator (part #7016547).
   a. Push one end of the air input hose into the input fitting on the back of the ProcessMate.
   b. Connect the other end of the hose to your plant air supply.

   CAUTION
   DO NOT exceed 7.5 bar (110 psi) or damage to the unit may occur.
   c. Set the plant air supply within 5.5–6.9 bar (80–100 psi).
Installation (continued)

4 Connect Thermocouple
   a. Plug the K-type thermocouple lead into the back panel of the ProcessMate.
   b. Connect the other end of the lead to the process hardware.
      *Option: Route the thermocouple lead with either air line tube inside the insulation. See directions below.
      **NOTE:** Longer thermocouple leads can be used when required. These are available from a variety of sources in many lengths. Only K-Type thermocouple leads should be used with the ProcessMate. Using a different type will result in incorrect temperatures.

5 Attach Process Feed Lines
   a. Slide the insulation over the cold process feed line.
   b. Slide the insulation over the hot process feed line.
      *Option: Route the thermocouple lead with either the hot or cold process feed line.
   c. Insert the cold process feed line into the cold process fitting.
   d. Insert the hot process feed line into the hot process fitting.

6 Connect Exhaust Mufflers
   • Insert a muffler into each exhaust port for both cold and hot feed exhausts.
     **NOTE:** Tubing can be purchased as an accessory to route for remote exhaust in lieu of mufflers.
Configuration

The ProcessMate can be plumbed in a variety of configurations depending on your specific needs. All of the hardware required for each of these setups is included with your unit.

Configuration A
Applications requiring both heating and chilling capabilities. (Facilities or machines which experience temperature fluctuations above and below the required process temperature require both hot and cold.)

Configuration B
Applications requiring both heating and chilling in a compact space. Hot and cold airstreams may be joined together with the supplied “Y” fitting. (The unit will cycle more often as the common tube retains some of the thermal energy.)

Configuration C
A process that only requires cold air flow. (Ambient conditions are well above desired temperature within the chamber.)

Configuration D
A process that only requires hot air flow. (Ambient conditions are well below desired temperature within the chamber.)
Features & Controls: Front & Rear Panels

Digital display
Power switch
Air switch
Flow control knob

Air input
Power cord
Thermocouple

Cold process feed line
Hot process feed line
To exhaust feed line

No. 1 display
No. 2 display
CMW
STOP
OUT

Temperature unit
Alarm output indicator
Level key
Mode key
Up / Down keys
Front Panel Digital Display

Digital Display

Level key  Use to access advanced features of the controller. (Refer to manufacturer’s documentation supplied with unit.)
Mode key  Use to access advanced features of the controller. (Refer to manufacturer’s documentation supplied with unit.)
No. 1 display  Actual temperature as measured by the thermocouple
No. 2 display  Process temperature setpoint
Up / down keys  Use to change the temperature setpoint value displayed on the No. 2 display
A  Alarm indicator light—lights up whenever the unit is adding cold air to the process
CMW*  Communications writing enable / disable indicator lights
STOP*  Control stop indicator
OUT*  Control output 1 & 2 indicators

*Advanced features NOT used by ProcessMate

Change from Centigrade to Fahrenheit

• Hold down the Level Key for 3 seconds. [Cn-t] will appear.
• Press the Mode Key. [d-u] will appear.
• Press the Up arrow key to change from C to F or vice-versa.
• Return to the Temperature Display by holding the Level Key for 3 seconds.

Air Settings

OFF  Stops all air from flowing through the unit
MAX Air  Maximum air flow through the unit (approximately 3 CFM or 85 LPM). This also produces the maximum degree of heating or chilling. Once near to the desired temperature, the “ADJ Air” setting should be used.
ADJ Air  The ADJ (Adjustable) Air setting is used to precisely control the air flow. The knob is labeled with +/- markings and allows more or less air to reach the process. Set the knob to the minimum amount required to maintain the desired temperature.
Care and Preventative Maintenance

The ProcessMate and accessories will last a long time if they are maintained properly and handled with care.

- The ProcessMate should be kept clean and dry.
- Make sure the unit is unplugged when conducting maintenance on the unit.
- Clean the unit with a damp sponge or cloth. Use warm water and mild soap solution, if required. DO NOT allow drips or excess water inside the unit. DO NOT spray or pressure wash unit.
- The ProcessMate does not have any user serviceable parts inside. Removing the protective housing will void the product warranty.
- External parts should be monitored for wear. Inspect the tube insulation regularly for signs of aging and cracking. Inspect air fittings for signs of leakage.
- Contact EFD for replacement parts.
Frequently Asked Questions

Can I Modify the Clamshell Process Chambers?

YES.

• The clamshell process chambers (sold separately) are simple and easy to modify.
• The plastic can be cut to customize the box to fit individual process requirements.
• The boxes are disposable. If the box becomes soiled or damaged, replacements are readily available from EFD.

Can I Make My Own Process Chamber?

YES.

For those who wish to make their own process chamber, follow the guidelines below:

• The chamber should cover the entire material path (syringe, valve, fittings, etc, leaving only the needle or exit point exposed).
• The chamber should have a minimum of “dead air” space. The less space inside the chamber, the easier it is to maintain temperatures within.
• The chamber should allow the heated / chilled air to circulate freely around the process hardware within.
• The chamber must have a vent that allows air to exit the chamber. Plan ahead to determine where the heated / chilled air can freely enter, circulate, and then exit the chamber.
• The chamber should either be made of transparent materials, or be provided with a window to allow monitoring of material levels.
• In order to maintain temperatures well above or below ambient conditions, the chamber should be made from or contain an insulated material or have double-walled construction. This will help to maintain desired temperatures.
# Troubleshooting

If you encounter a problem that you cannot readily solve, call Nordson EFD.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause and correction</th>
</tr>
</thead>
<tbody>
<tr>
<td>No power</td>
<td>Be sure that there is power available at the wall receptacle.</td>
</tr>
<tr>
<td></td>
<td>Unplug the unit. Make sure AC/DC power supply’s main plug adapter is firmly seated and locked on the supply body.</td>
</tr>
<tr>
<td></td>
<td>Make sure that the power lead is firmly inserted and seated at the rear of the unit.</td>
</tr>
<tr>
<td></td>
<td>If the unit still does not have power, call EFD for assistance.</td>
</tr>
<tr>
<td>Unit will not maintain pre-set temperature</td>
<td>1. Make sure the thermocouple is solidly plugged into the rear of the unit and that the lead is affixed to the process hardware.</td>
</tr>
<tr>
<td></td>
<td>2. Check the incoming air pressure and flow. For maximum efficiency, the unit must be supplied with 6.9 bar (100 psi) of clean, dry air.</td>
</tr>
<tr>
<td></td>
<td>3. If the pressure is fluctuating or dropping, the unit efficiency will be reduced. Insufficient air flow will cause degradation to the minimum and maximum temperatures the unit can provide.</td>
</tr>
<tr>
<td></td>
<td>4. Check the air pressure to ensure that it is not varying. If needed, use the filter / regulator (EFD part #7016547).</td>
</tr>
<tr>
<td></td>
<td>5. A slow drop or rise from the desired temperature (usually over the course of several hours) can be caused by moisture inside the air supply that is causing freezing inside the unit. This will reduce the air flow and degrade the minimum and maximum temperatures the unit can provide.</td>
</tr>
<tr>
<td></td>
<td>To properly diagnose whether this is occurring, shut off the unit for several minutes to allow the potential blockage to thaw. Turn the unit back on. If the temperature resumes the required setpoint, it is a sure sign that moisture is present.</td>
</tr>
<tr>
<td></td>
<td>If your process is not dependent on the unit running continuously, shut down the unit in between runs to prevent moisture buildup in the unit.</td>
</tr>
<tr>
<td></td>
<td>The preferred method is to install line dryers: refrigerant type, in-line desiccant, or membrane dryers. The desiccant and membrane type dryers have been shown to produce substantial dew point reductions, and are the preferred method to reduce moisture in the unit. These are available from EFD.</td>
</tr>
<tr>
<td>Condensation forms on the tubing</td>
<td>Condensation may form on the process supply tubing if temperature setpoints are well below ambient room temperature and relative humidity is high.</td>
</tr>
<tr>
<td></td>
<td>Tube insulation supplied with the unit will prevent condensation from forming and will also increase overall efficiency.</td>
</tr>
</tbody>
</table>
NORDSON EFD ONE YEAR LIMITED WARRANTY

This Nordson EFD product is warranted for one year from the date of purchase to be free from defects in material and workmanship (but not against damage caused by misuse, abrasion, corrosion, negligence, accident, faulty installation, or by dispensing material incompatible with equipment) when the equipment is installed and operated in accordance with factory recommendations and instructions.

Nordson EFD will repair or replace free of charge any defective part upon authorized return of the part prepaid to our factory during the warranty period. The only exceptions are those parts which normally wear and must be replaced routinely, such as, but not limited to, valve diaphragms, seals, valve heads, needles, and nozzles.

In no event shall any liability or obligation of Nordson EFD arising from this warranty exceed the purchase price of the equipment.

Before operation, the user shall determine the suitability of this product for its intended use, and the user assumes all risk and liability whatsoever in connection therewith. Nordson EFD makes no warranty of merchantability or fitness for a particular purpose. In no event shall Nordson EFD be liable for incidental or consequential damages.

This warranty is valid only when oil-free, clean, dry, filtered air is used, where applicable.