DuraBlue II™ Series Adhesive Melters
20 and 45 liter melters

Provide easy, reliable material delivery for low to mid-speed adhesive bonding processes

**DuraBlue II series melters:**
- Install quickly and easily
- Provide easy day-to-day operation
- Simplify routine maintenance
- Maximize uptime

Nordson DuraBlue II series melters are designed to deliver hot melt adhesive in support of low to mid-speed production. The metering spur-gear pumps with variable-speed AC motors and key-to-line functionality satisfies a wide range of manufacturing requirements. A non-stick coated tank and reservoir design reduces adhesive degradation while maximizing adhesive throughput. The versatile control panel offers a choice of programming methods using either the keypad or arrow keys.
## Specifications

### Type of System
- Release-coated tank and reservoir Spur-gear pump with variable AC motor

### Number of Pumps
- One single stream pump

### Maximum Pump Rate\(^1\&\(^2\)
- 37.1 kg/hr (81.6 lb/hr)

### Number of Hoses/Applicators
- Up to six (6)

### Filter Type
- Saturn basket-style filter

### Maximum Working Hydraulic Pressure
- 85 bars/8.5 MPa (1230 psi)

### Operating Temperature Range
- 40° to 230°C (100° to 450°F)

### Ambient Temperature Range
- 0° to 50°C (32° to 122°F)

### Temperature Sensor
- Ni 120

### Temperature Control Stability
- ±1°C (2°F)

### Maximum External Power Capacity
- 1,200 watts per pair/1,000 watts per channel

- 200 to 240 VAC 3 phase 50/60 Hz

- 380 to 415 VAC-Y (3 phase N/PE) 50/60 Hz

### Electrical Service\(^3\)
- 3 outputs/4 inputs programmable for function

### Input/Output Capability Standard
- 1,200 watts per pair/1,000 watts per channel

### Melter Dimensions (W x H x D)
- 1054.5 x 1230 x 600 mm (41.5 x 48.4 x 23.6 in.)

### Installation Dimensions (W x H x D)
- 3000 x 1278 x 2600 mm (118 x 50.3 x 102 in.)

### Protection
- IP33

### Holding Capacity
- DuraBlue II 20: 20 L (1220 in\(^3\))
- DuraBlue II 45: 45 L (2746 in\(^3\))

### Throughput (per hour)\(^1\)
- 19 kg (42 lb)
- 24 kg (53 lb)

### Melt Rate (per hour)\(^1\)
- 20 kg (44 lb)
- 205 kg (451 lb)

### Weight (empty)\(^4\)
- 205 kg (451 lb)
- 43.5 kg (96 lb)

### Maximum System Power Capacity
- 14740 W
- 16540 W

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\(^1\) Actual rates will vary depending on adhesive type, application parameters and input voltage

\(^2\) Range given is for maximum pump rate of various pumps available.

\(^3\) Permitted deviation from rated line voltage is ±10%.

\(^4\) Weight depends on melter configuration.