DuraBlue® II Series Adhesive Melters
20 and 45 liter melters

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

DuraBlue II series melters:
- Install quickly and easily
- Provide an easy day-to-day operation
- Provide a simplified routine maintenance
- Maximize uptime

Large, accessible tank opening allows easier filling and cleaning
Easy-to-use controls eliminate complicated programming
Easy, single-tool access panels for quicker maintenance

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—satisfy a wide range of manufacturing requirements. These melters also feature a non-stick coated tank and reservoir design that reduce adhesive degradation while maximizing adhesive throughput. Finally, yet just as significant, the DuraBlue II melters’ 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 or two dual stream pumps

**Maximum Pump Rate**
- 82 kg/hr (180 lb/hr)

**Number of Electrical Hoses/Applicators Connectors**
- 6

**Number of Hydraulic Hose Connectors**
- 82 kg/h pump: 3 (M16, M22 and blank: only available for 45L)
- Standard pump: 2 (M16 and M22)

**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
- 2,000 watts per pair/2,000 watts per channel

**Electrical Service**
- 200 to 240 VAC 3 phase 50/60 Hz
- 380 to 415 VAC-Y (3 phase N/PE) 50/60 Hz
- 480 VAC 3 phase 50/60 Hz

**Input/Output Capability Standard**
- 3 outputs/4 inputs programmable for function

**Melter Dimensions (W x H x D)**
- 1054.5 x 1230 x 600 mm (41.5 x 48.4 x 23.6 in.)
- 1098 x 1230 x 600 mm (43.2 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**
- IP54

**Holding Capacity**
- **DuraBlue II 20**
  - 20 L (1220 in³)
  - 19 kg (42 lb)
  - **DuraBlue II 45**
  - 45 L (2746 in³)
  - 43.5 kg (96 lb)

**Throughput (per hour)**
- 24 kg (53 lb)
- 20 kg (44 lb)

**Melt Rate (per hour)**
- 40 kg (88 lb)
- 53 kg (116 lb) (H Pump)

**Weight (empty)**
- 205 kg (451 lb)
- 240 kg (529 lb)

**Maximum System Power Capacity**
- 14740 W
- 16540 W (H Pump)

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**Notes:**
1. Actual rates vary depending on adhesive type, application parameters and input voltage.
2. The range given is for the maximum pump rate of various pumps available.
3. The permitted deviation from the rated line voltage is ±10%.
4. The weight depends on melter configuration.