

# 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



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.



# DuraBlue II Series Adhesive Melters 20 and 45 liter melters

## 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 <sup>1&amp;2</sup>	82 kg/hr (180 lb/hr)	
Number of Electrical Hoses/Applicator Connectors	6	
Number of Hydraulic Hose Connectors	3 (M16, M22 and blank: only available for 45L) 2 (M16 and M22)	
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	
Hose/Gun Connector Positions 1-4 (each)	1,200 watts per pair/1,000 watts per channel	
Hose/Gun Connector Positions 5-6 (each)	2,000 watts per pair/2,000 watts per channel	
Electrical Service <sup>3</sup>	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.) (480 VAC)	
Installation Dimensions (W x H x D)	3000 x 1278 x 2600 mm (118 x 50.3 x 102 in.)	
Protection	IP54	
Holding Capacity	<b>DuraBlue II 20</b> 20 L (1220 in <sup>3</sup> ) 19 kg (42 lb)	<b>DuraBlue II 45</b> 45 L (2746 in <sup>3</sup> ) 43.5 kg (96 lb)
Throughput (per hour) <sup>1</sup>	24 kg (53 lb)	54 kg (119 lb)
Melt Rate (per hour) <sup>1</sup>	20 kg (44 lb)	40 kg (88 lb) 53 kg (116 lb) (H Pump)
Weight (empty) <sup>4</sup>	205 kg (451 lb)	240 kg (529 lb) 300 kg (661 lb) (480 VAC)
Maximum System Power Capacity	14740 W	16540 W 17740 W (H Pump)

### Notes:

<sup>1</sup> Actual rates vary depending on adhesive type, application parameters and input voltage.

<sup>2</sup> The range given is for the maximum pump rate of various pumps available.

<sup>3</sup> The permitted deviation from the rated line voltage is ±10%.

<sup>4</sup> The weight depends on melter configuration.



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