



Melting Units

Bonding with hotmelt adhesives is extremely important in many industries. Whether in the construction industry, furniture industry, automotive industry, electronics industry, packaging industry, or even in the non-woven sector or in filter production, bonding with hot-melt adhesives is now indispensable.

In this bonding process, a solid adhesive is melted for processing and applied in a liquid, hot state. The great advantage of hotmelt bonds is that the bond is created as soon as the adhesive cools down. In comparison, bonding with dispersion adhesives takes several hours to reach maximum strength and even 2-component adhesive bonds take several minutes until the bond is resilient.

There are various types of melting devices for melting these adhesives. The main difference is the size of the melting tank and the number of hoses and valves that can be connected.

The table below lists the various melting devices and their parameters.

The adhesive feed pump used also determines the possible uses of the melting device. Melting devices with piston pumps are so-called allrounders and melting devices with gear pumps are suitable for particularly precise and even adhesive application, as is required in the e-commerce sector, for example.


Of course, all of our melting devices have precision-controlled temperature controls that are very easy to program using a touch screen. The electronics of the melting devices can also process all common temperature sensors such as PT100, Ni120 or NTC.


series	4000 series						6000 series			
melting units	4070	4100	4200	4450	4650	4800	6050	6100	6200	6350
dimensions	740 x 395 x 420 mm	714 x 350 x 519 mm	975 x 400 x 1355 mm	945 x 600 x 1355 mm	945 x 655 x 1355 mm	945 x 655 x 1155 mm	560 x 308 x 424 mm	671 x 341 x 481 mm	671 x 382 x 524 mm	738 x 435 x 673 mm
weight	50 kg	50 kg	65 kg	95 kg	150 kg	180 kg	37.5 kg	45.7 kg	60.2 kg	90.1 kg
operating voltage	3 x 16 A / N / PE 400 V, 50 – 60 Hz	3 x 16 A / N / PE 400 V, 50 – 60 Hz	3 x 16 A / N / PE 400 V, 50 - 60 Hz	3 x 32 A / N / PE 400 V, 50 - 60 Hz	3 x 32 A / N / PE 400 V, 50 – 60 Hz	3 x 32 A / N / PE 400 V, 50 – 60 Hz	230 V 50 Hz or 3 x 400 V + N / 50 Hz	3/N/PE 400 V	3/N/PE 400 V	3/N/PE 400 V
temperature sensor	PT100, NTC and Ni120	PT100, NTC and Ni120	PT100, NTC and Ni120	PT100, NTC and Ni120	PT100, NTC and Ni120	PT100, NTC and Ni120	PT100, Ni120	PT100, NTC and Ni120	PT100, Ni120	PT100, Ni120
hose connections	1 – 2	2	2, 4	2, 4	2, 4	2, 4	up to 6	1 – 6	1 – 6	1 – 6
melting capacity	3 kg/h	5 kg/h	10 kg/h	25 kg/h	40 kg/h	60 kg/h	up to 9 kg/h	up to 13.5 kg/h	up to 19 kg/h	up to 30 kg/h
pump system	1 gear pump	1 gear pump	1 – 2 gear pumps	1 – 2 gear pumps	1 – 2 gear pumps	1 – 2 gear pumps	1 piston pump	1 piston pump	1 piston pump	1 piston pump
usable tank volume	7 litres	9 litres	18 litres	47 litres	74 litres	86 litres	5 litres	10 litres	20 litres	35 litres
max. delivery rate of pump	8 kg/h	10 kg/h	20 kg/h	40 kg/h	40 kg/h	80 kg/h	30 kg/h	30 kg/h	66 kg/h	66 kg/h
hotmelt adhesives	PA	EVA, PO, PSA	EVA, PO, PSA, PA	EVA, PSA, PO	EVA, PO, PSA	EVA, PO, PSA	EVA, PO, PSA	EVA, PO, PSA	EVA, PO, PSA	EVA, PO, PSA

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