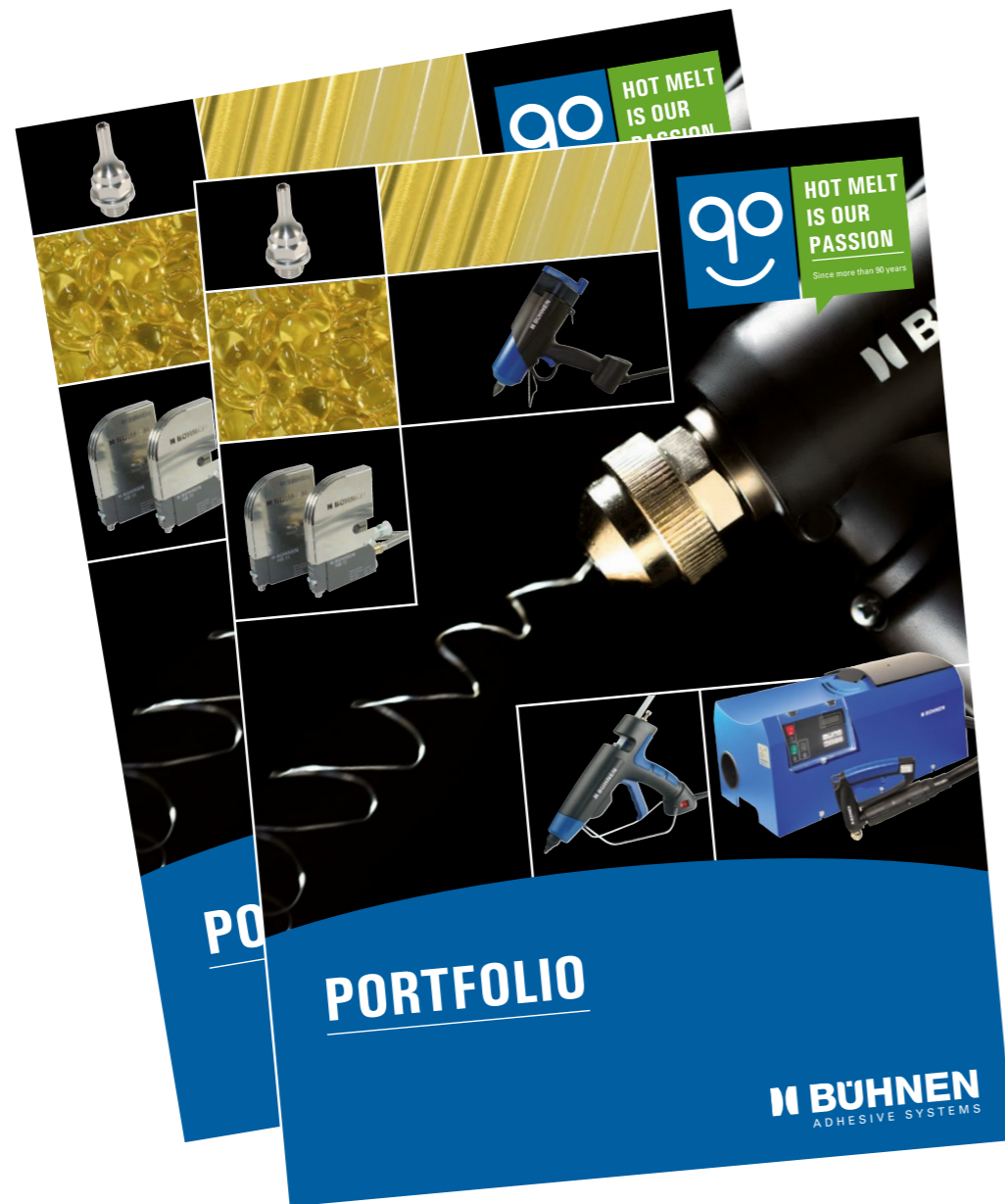


Do You Need **Hot Melt Adhesives**?  
Take a look at our portfolio!  
Just one click away.



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**HB 6000**

**BÜHNEN**  
ADHESIVE SYSTEMS

## HB 6050 / HB 6100 / HB 6200 / HB 6350 for EVA, PO, PSA

The new generation of the award-winning Micron series is based on years of experience and continuous development by our partner Meler Glueing Solutions. As a result of this partnership, BÜHNEN offers these tools as the **HB 6000** series: a solution that is always focused on efficiency. Meeting the highest demands in efficiency, technology and design is at the heart of what we do.

The hot melt adhesive applicators with piston pumps in the **HB 6000** series are characterised by high output, simple handling and extensive standard equipment.

Thanks to various options they meet all requirements for integration in modern packaging plants. But they are also extremely well-suited to individual solutions. With tank sizes of 5/10/20/37 litres and up to 6 hose connections, the systems can be adapted to different requirements. Heatable hoses, application heads and handguns of other manufacturers can be connected to the applicators. Thanks to compact dimensions and excellent tank accessibility, **HB 6000** can replace existing systems very easily.

Technical Data	HB 6050	HB 6100	HB 6200	HB 6350
Dimensions B x T x H:	587 x 341 x 481 mm	671 x 341 x 481 mm	671 x 382 x 524	738 x 435 x 673 mm
Weight:	37,5 kg	45,7 kg	60,2 kg	90,1 kg
Operating Voltage:	1 / N / PE 230 V 3 / N / PE 400 V	3 / N / PE 400 V	3 / N / PE 400 V	3 / N / PE 400 V
Hose connections:	1-2 / 1-4 / 1-6	1-2 / 1-4 / 1-6	1-2 / 1-4 / 1-6	1-2 / 1-4 / 1-6
Approx. melting capacity*:	9 kg/h	13,5 kg/h	19 kg/h	30 kg/h
Drive:	Piston pump	Piston pump	Piston pump	Piston pump
Number of piston pumps:	1	1	1	1
Delivery rate of piston pump:	30 kg/h	30 kg/h	66 kg/h	66 kg/h
Tank capacity:	5 Liter	10 Liter	20 Liter	37 Liter
Max. noise emission:	60 dBA	60 dBA	60 dBA	60 dBA
Particularly designed for:	EVA, PO, PSA	EVA, PO, PSA	EVA, PO, PSA	EVA, PO, PSA

Rights reserved to make technical changes / \* Product dependent: figures obtained with a viscosity of approx. 2000 mPas / 180 °C

### Features and Benefits

- › Highly efficient insulation and "Cool-Touch" housing
- › Excellent accessibility to components through innovative drawer system
- › Easy installation and operation
- › Intuitive operation of the temperature controller
- › Very high melting rate of up to 30 kg/h
- › Extensive standard equipment
- › Nordson compatible
- › Compact dimensions
- › Connection of up to 6 heated hoses possible
- › Optional Ni120 or PT 100 sensor
- › Individual control of piston pump output

### Areas of application

- › Packaging
- › Display Manufacturers
- › Construction Industry
- › Upholstery Industry
- › Mattress Manufacturers

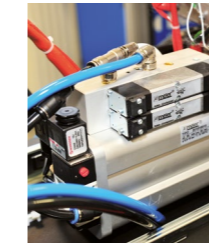


## HB 6000 series (piston pump)



### Temperature control

The temperature controller of the **HB 6000** features a clear language-independent display. The operation is intuitive and user-friendly. Integrated week timer and temperature reduction to protect the adhesive.



### Piston pump

Good pump heating is guaranteed through the horizontal installation of the double-acting piston pump directly on the tank base. The adhesive pressure can be adjusted from 7-82 bar on the applicator (ratio 1:14).



### Pressure compensation

Thanks to the unique compensation valve, the pressure drop at the switching point of the piston pump is significantly reduced and does not lead to irregularities in application.

### Automatic pressure relief

If the compressed air supply is interrupted (system shut-down or emergency stop) the adhesive in the hose is automatically returned to the tank. This protects the heatable hose and increases safety when changing the hose or application head.



### Tank

Excellent accessibility to the tank combined with a large opening allows the processing of many adhesives. Low operating costs with a high melting rate ensures the innovative insulation of all heated elements. Burned adhesive residues can be removed easily thanks to the PTFE coating on the tank interior.



### Control cabinet door and housing

Access to all components of the **HB 6000** in just a few steps. The innovative drawer system and wide-opening front door provides excellent accessibility to the control cabinet and pneumatic unit. The removable side cladding of the "Cool Touch" housing provides easy access for all service and installation operations.

### Filter cartridges

To avoid impurities in the application heads, the hot melt adhesive is prefiltered in the tank and purified by a filter cartridge (100 mesh) in the distribution unit. A drain valve and easy access to the pump filter highlights the easy maintenance.



HB 6050



HB 6100



HB 6200



HB 6350



reddot award 2014  
winner