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GLUING

ROBAPUR 40 MOD SPINECOAT

PUR Adhesive melter for the SpineCoat nozzle system
Precise | simple | reduced energy consumption

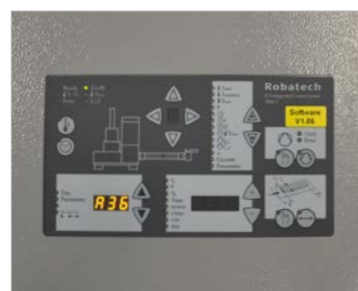
FOR REACTIVE PUR HOTMELT ADHESIVES

The RobaPUR 40 MOD SpineCoat adhesive melter is specially designed for the melting and pumping of reactive polyurethane hotmelt adhesives. With a tank diameter of 290 mm and the Melt-on-Demand (MOD) technology, the device is exceptional for the processing of 20-liter adhesive blocks. A gear pump is used for pumping the adhesive. This technology ensures precise quantity control.

The RobaPUR 40 MOD SpineCoat is designed for use in book adhesive lines in combination with the SpineCoat coating nozzle.

Advantages

- Simple operation
- Melt-on-Demand (MOD) technology for gentle adhesive processing
- A premature start of the reaction process of the PUR adhesive is prevented by the dry-air gassing of the supply tank and the pump block
- Temperature lowering for the reduction of the thermal load of the PUR adhesive
- Maintenance-friendly thanks to easy access to all essential device elements
- Production reliability through efficient adhesive filling without production interruptions
- Integrated circulation system with motor-operated restrictor for highly dynamic adhesive binding of up to 16,000 books/hour
- Integrated job and quantity control
- Integrated system alignment
- Integrated highly dynamic servo drive for the gear pump



TECHNICAL DATA

| | |
|--------------------------------|--|
| Block size (PUR blocks) | Diameter 270 – 285 mm; Height 270 – 320 mm |
| Tank opening | Ø 290 mm |
| Melting rate | 40 kg/h (approximate value) |
| Feed pump | Gear pump ZP 3 S |
| Feed rate | Max. 50 kg/h |
| Feed pressure | Max. 100 bar |
| Viscosity | 1 000 – 10 000 mPas |
| Drive unit 40 MOD | AC-servomotor 3 x 400 Volt 1 100 Watt |
| Temperature range | Working temperature: Max. 130 °C or 266 °F Cleaning temperature: Max: 170 °C or 388 °F |
| Circulation system | Integrated motor-operated return restrictor |
| PUR-Hotmelt protective gassing | Integrated membrane-compressed air dryer |
| Air pressure supply | 6 bar, processed, Class 4 in acc. with ISO 8573-1 |
| Supply voltages | 3 x 400 VAC / 3 LNPE / 50-60 Hz 3 x 400 VAC / 3LPE / 50-60 Hz 200-240 V / 3 Ø / 50-60 Hz |

* Reference value, melting capacity depends on adhesive