

Premelt

Premelting systems

To premelt thermoplastic adhesives of granular or block form for automatic filling of roller troughs and other adhesive containers with liquid hotmelt.



Application

The Premelt appliances serve to premelt thermoplastic hotmelts of granular or block shape. Feeding of the molten hot-melt starts by switching on of the pump. No metering is possible. The pump feeds for as long as the fill level sensor at the trough to be filled reports "too low". The programmable follow-up time prevents the pump from being switched on and off too frequently.

Design

The appliance is of a compact structure and optically appealing. The excellent accessibility from all sides facilitates maintenance.

Tank

The two appliance types Premelt 80 and 160 feature a three-stage tank structure: 1. Storage container, 2. Melting grate, 3. Pump block.

Gear pumps

The Premelt appliances are equipped with one or two gear pumps with AC motors.

Control and operating unit

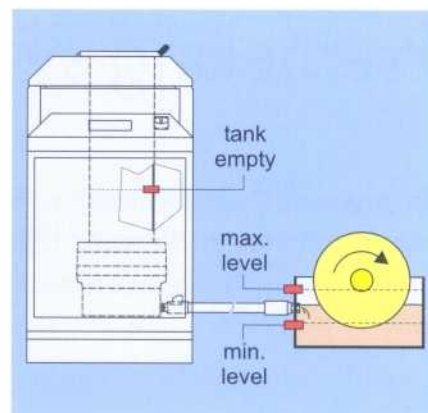
The display/indication and entry field of the ICS electronic with the schematic layout enables a clear and pictorial presentation of all entries. The current operating status is always indicated. More details on the electronics are available in the ICS brochure.

Options and accessories

- Heating hoses and accessories
- Level supervisions
- Trough heating kit
- PROFIBUS interface
- External operating unit, etc.



Drive unit of the gear pump



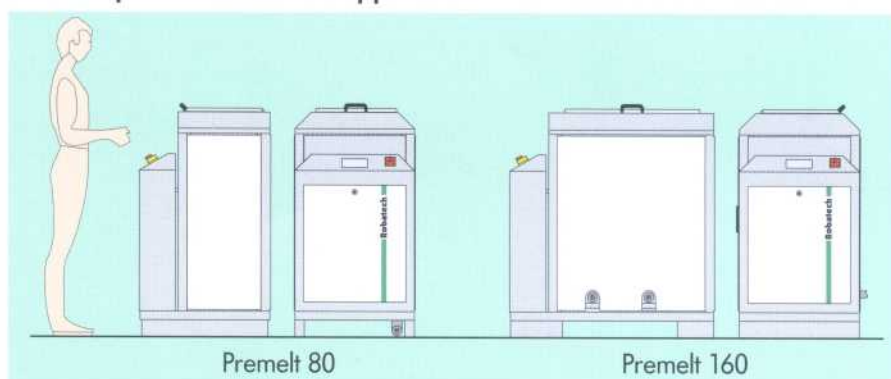
Principle diagram with level sensors

Technical data

	Premelt 80	Premelt 160
Tank volume	80 litres	160 litres
Melting capacity guide value*	~70 kg/h	~130 kg/h
Number of gear pumps	1 x ZP3	2 x ZP3
Feed quantities	88 kg/h	176 kg/h
Viscosity	100 - 50'000 mPas	
Operating temperature	20 - 200° C or 68 - 392° F	
Electrical connection	400 Volt, 3LNPE, 50/60 Hz	
Power consumption	11 kWatt	22 kWatt
Dimensions l x w x h (mm)	760x700x1360	1350x715x1360
Weight	290 kg	410 kg

* The melting capacity depends on the adhesive used

Size comparison of Premelt appliances



Robatech GmbH
Im Gründchen 2
D-65520 Bad Camberg/Germany
Phone +49 6434 94 11 0
Fax +49 6434 94 11 22
Email info@robatech.de
Internet www.robatech.de

Robatech AG
Pilatusring 10
CH-5630 Muri AG/Switzerland
Phone +41 56 675 77 00
Fax +41 56 675 77 01
Email info@robatech.ch
Internet www.robatech.com

Robatech