



## ISOMELT SERIES

### PUR Adhesive Melter

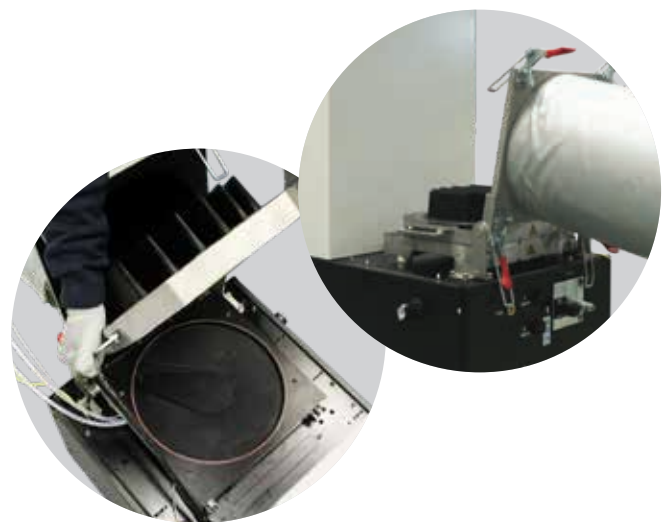
Valco Melton's IsoMelt Series has been redesigned to achieve the highest melting rates in the industry. Although specifically designed to process reactive hot melts such as PUR, IsoMelt units allow for fast and easy changes to EVA or APAO without adhesive degradation. IsoMelt units can work with up to 40 liters of adhesive.

#### IsoMelt Series Benefits:

- An improved melting grid design makes IsoMelt the units with the highest melting rate in the industry.
- Easy removal of adhesive residue allows switching between PUR and other types of adhesive.
- Ideally suited for any PUR applications, including those in the automotive, textile, product assembly, woodworking and PVC industries.



A new finned grid design with cast-in heaters improves the tank's heating capabilities, achieving up to 50% higher melting rates.



Its tiltable tank and removable melting grid facilitate maintenance and cleaning operations, which may be carried out faster and safer.



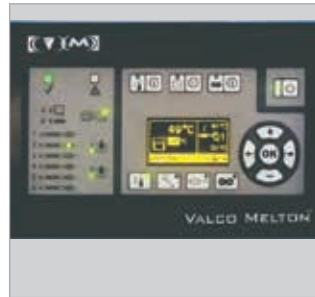
Up to 2 pumps to maximize production. Ensure cleaner applications with the integrated filter in the pump manifold.



Dry air blanket prevents moisture from reaching the adhesive



IsoMelt Units feature a Teflon® coated round tank for easy cleaning, with an air-tight swiveling tank lid. An integrated low level sensor facilitates operator refilling operations.



The integrated grammage control, accesible through a multi-function controller, simplifies operator's programming tasks to eliminate product loss and downtime associated with incorrect coat weight adjustments.

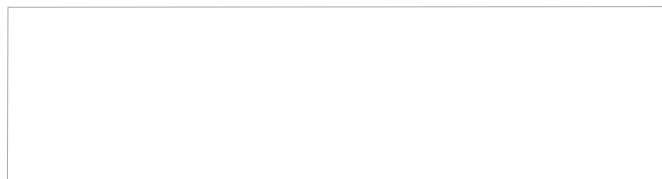
## Technical Specifications

IsoMelt Series Units	
Tank Capacity	40 L
Melting Capacity	PUR: Up to 35 Kg/h   EVA: Up to 50 Kg/h (*)
Max. Pumping Capacity per Pump	90 Kg/h (**)
Number of Pumps	2
Working Temperature Range	15 - 230 °C
Electrical Connection	230 V 3-phase Δ / 400 V 3-phase Y – 50/60 Hz
Max. Working Viscosity	50,000 cps
Max. Working Hydraulic Pressure	80 bar
Max. Electrical Tank Consumption	7600 W single pump unit / 8700 W double pump unit
Adhesives	PUR / EVA / APAO

(\*) Melt rate may vary depending on adhesive type and viscosity

(\*\*) Max. pumping capacity using a 15cc pump

	4 Output Electronic Board	
	Channel 1 / Channel 2	Channel 3 / Channel 4
Max. channel power		
Per channel (hose and gun)	2000W	1400W



**For more information, visit [valcomelton.com](http://valcomelton.com) or contact your local Valco Melton representative.**

World Headquarters: USA, Cincinnati, Ohio (Corporate Offices) • Tel:+1.513.874.6550 • Fax: +1.513.874.3612

Europe Headquarters: Spain, Navarra • Tel:+34.948.321.580 • Fax:+34.948.326.584

Asia Headquarters: China, Xiamen, Fujian • Tel:+86.592.591.7854 • Fax:+86.592.591.7834

[inquiry@valcomelton.com](mailto:inquiry@valcomelton.com) • Serving over 76 Countries Worldwide • [valcomelton.com](http://valcomelton.com)



## ISOMELT PLUS SERIES

### Melt On Demand PUR Adhesive Melters

Valco Melton's IsoMelt Plus Melters have been redesigned to better adapt to the changing needs of the industry. A new touch-screen control panel guarantees a smooth communication with the parent machine, for a seamless in-line integration. The combination of a new melting grid design and a larger reservoir tank results in a more efficient melting process.

#### IsoMelt Plus Series Benefits:

- **Melt on demand technology.** Ideally suited to work with reactive adhesives, as it eliminates degradation problems by ensuring only the necessary amount of adhesive is melted every time.
- **No need to manipulate PUR.** Forget unwrapping, the adhesive goes directly to the melting tank.
- **Hermetic sealing.** When the cylinder presses the adhesive slug, the wrapping foil makes the tank hermetic, maintaining PUR properties without the need of using inert gas.

All units feature a touch-screen control panel with Ethernet IP and Modbus TCP communication protocols as a standard. Multiple configuration and customization options are available for our users to adapt to their working requirements.

Tiltable tank and removable melting grid for faster and safer maintenance and cleaning operations.



The reservoir tank eliminates production stops, even during PUR slug changes.

New grid design with cast-in heaters for a more efficient melting process.



### Ideally suited for PUR application processes:

- Place the PUR slug directly into the tank - no need to unwrap the foil that covers the slug.
- Total safety and easier maintenance. The tank stays cold during the melting process so the PUR slug will stay solid except for the side in direct contact with the melting grid. This keeps the melted adhesive at a low level and ensures that the PUR slug will not degrade.

*A correct cut on the bottom of the foil that covers the PUR slug guarantees an hermetic tank sealing without using inert gas.*

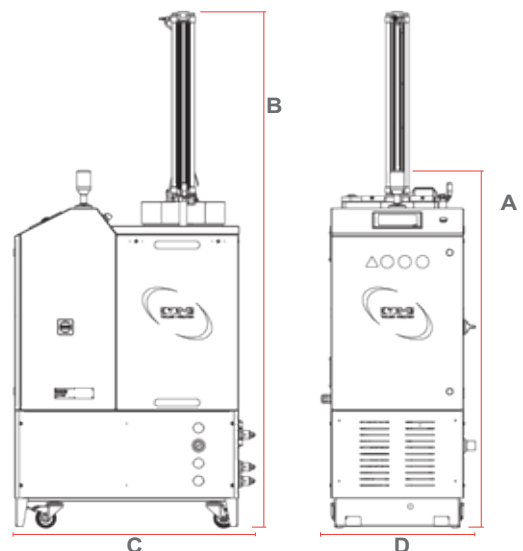
## Technical Specifications

IsoMelt Plus	
PUR Slug Size	20,0 Kg
Max. Melting Rate	28 Kg/h (*)
Reservoir Tank Capacity	3.7 L
Max. Pump Rate per Pump	48 Kg/ h
Max. Number of Pumps	2
Max. Working Temperature	240 °C
Max. Viscosity	50.000 cps
Max. Working Pressure	80 bar
Electrical Consumption	7600 W single pump unit / 8700 W double pump unit
Tank Dimensions	281 mm inner ø x 600 mm length
Protection	IP54

(\*) Melt rate may vary depending on specific adhesive type

	4 Output Electronic Board	
	Channel 1 & 2	Channel 3 & 4
Max. Channel Power		
Per exit (hose and gun)	1900 W	
Per channel (hose or gun)	1800 W	1400 W

Dimemsions (mm)	
<b>A</b>	1416
<b>B</b>	2044
<b>C</b>	951
<b>D</b>	610



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