

Dynamelt™ PUR Series - Adhesive Supply Unit

The Dynamelt PUR Series bag melter is designed to meet the unique needs for the melting and delivery of PUR hot melt adhesives. Models are available to provide gentle melting of PUR's packaged in either 2Kg or 20Kg metalized Mylar bags. Escape of harmful gases into the atmosphere and intrusion of moisture into the adhesive is prevented using a patented, air-tight sealing ring at the bottom of the feed tube. This patented sealing design allows units using a typical PUR to be de-energized and left unattended for several days with no need to purge, provided the exposed application orifices are properly sealed.

DYNAMELT™ PUR Series:

- The PUR hotmelt does not require unpacking, it is simply melted out of its foiled packaging.
- Designed to allow gentle melting directly from a bag without need for a protective inert gas blanket or moisture extraction methods.
- Precision gear pumps can accommodate a wide variety of adhesives and viscosities.
- Clean operation with virtually no adhesive residue waste.
- Circulating design reduces adhesive degradation.

Simplicity

DynaControl touchscreen panel is user-friendly and easy to operate.

Flexibility

Configurations include single or dual drive motor with one or two stream metered outputs.

Reliability

Integrated adhesive reservoir eliminates the need to shut down the system when changing bags.



ITW Dynatec - Dynamelt™ PUR-20 Series

The Dynatec Difference...

Recirculating Adhesive System

The Dynamelt PUR's circulating design keeps adhesive in a constant state of motion – from the melt tank, through the heated hoses and applicator module, back to the melting unit. This constant circulation of adhesive reduces cross-linking due to thermal set .

Dynamelt™ PUR Series - Adhesive Supply Unit

System	PUR-2	PUR-20	PUR-20D
Hopper Capacity	.5 kg (1 lb)	10 kg (22 lbs)	10 kg (22 lbs)
Max Operating Temperature	200°C (392°F)	200°C (392°F)	200°C (392°F)
Melt Rate (per hour)	6 kg/hr (13 lb/hr)*	35 kg/hr (77 lb/hr)*	35 kg/hr (77 lb/hr)*
Gear Pumps Standard	2 Single Pumps or 1 dual pump	2 Single Pumps or 1 dual pump	2 dual pumps
Adhesive Bag Size Outside Diameter (mm)	Ø 124 - 126	Ø 283 - 287 (US) Ø 277 - 281 (Europe)	Ø 283 - 287 (US) Ø 277 - 281 (Europe)
Maximum Working Hydraulic Pressure	85 bar (1233 PSI)	85 bar (1233 PSI)	85 bar (1233 PSI)
Electrical Service Standard Options	240 VAC 3Phase 50/60 Hz 380 VAC 3Phase Y 50/60 Hz	240 VAC 3Phase 50/60 Hz 380 VAC 3Phase Y 50/60 Hz	240 VAC 3Phase 50/60 Hz 380 VAC 3Phase Y 50/60 Hz
Working Viscosity	500 to 50,000 cps	500 to 50,000 cps	500 to 50,000 cps

*Dependent upon adhesive type.



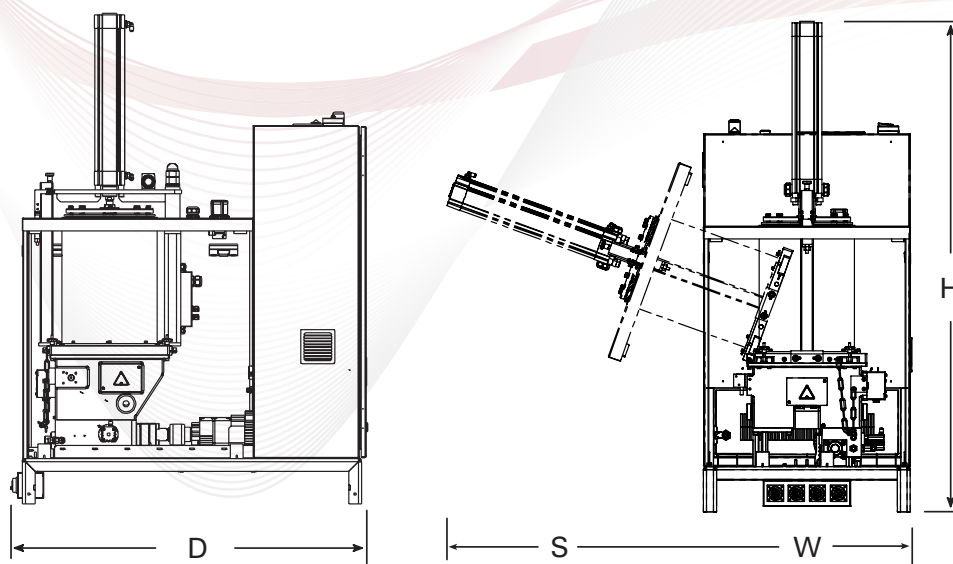
Full and "spent" adhesive bags

Dimensions	PUR-2	PUR-20	PUR-20D
Height (H)	152 cm (60 in)	152 cm (60 in)	152 cm (60 in)
Depth (D)	97.5 cm (38.4 in)	105 cm (41.3 in)	105 cm (41.3 in)
Width (W)	50.5 cm (19.9 in)	64cm (25.2 in)	64cm (25.2 in)
Service (S)*	102 cm (40.2 in)	143.5 cm (56.5 in)	143.5 cm (56.5 in)
Weight (empty)	190 kg (419lbs)	240 kg (529lbs)	240 kg (529lbs)

*Maintenance area.



Platen assembly above feed tube



Inserting a new bag or "slug" of adhesive into the melt unit



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