Simplicity™

THE SIMPLICITY™ ADHESIVE SUPPLY UNIT FEATURES A MODULAR DESIGN THAT MAKES IT SIMPLE TO INSTALL, OPERATE AND MAINTAIN. ITS UNIQUE DESIGN AND PERFORMANCE FEATURES SET IT APART FROM THE COMPETITION, MINIMIZING DOWNTIME AND MAXIMIZING FLEXIBILITY AND RELIABILITY.

SIMPLICITY
Intuitive V6 controls and clear easy-to-read display

EFFICIENCY
Patented Melt-On-Demand™ technology melts only the adhesive necessary

RELIABILITY
Less nozzle clogging means reduced maintenance and less downtime



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ITW Dynatec®
THE NEXT LEVEL OF TECHNOLOGY

SIMPLICITY™ ADHESIVE SUPPLY UNIT

The Simplicity™ ASU takes innovation, technology and performance to the next level. Clear, intuitive V6 controls and a modular design make it simple to install, operate and maintain. With a distinctive new dual coat hopper for durability and release properties, this compact unit features an HMI and hopper lid swivel for flexible configurations, while its small internal reservoir and auto-feeding system rivals “tankless” systems. To match the production needs optimally, at the 16 kg hopper (only) a pre-melt grid can be mounted to increase the adhesive melt rate and two piston pumps can be mounted to double the delivery rate, which make Simplicity™ unique and exceptional in its class.

FEATURES

- Vertically integrated pump with easy-spin pump filter
- Easy-to-operate single board control eliminates the need for extensive training
- Melt-On-Demand technology eliminates charring and reduces maintenance
- Dual piston pump capabilities (16 kg unit only)
- All-in-one filter/regulator with integrated pre-filter and coalescing filter
- Rapid Start Functionality for 240 VAC and 400 VAC versions, reducing start-up time by 50%.

OPTIONS

- Gear pump or Piston pump versions available
- Tank sizes on GP version: 4 & 8 kg/ PP version: 4, 8 & 16 kg
- Hose/Head connections on GP version: 2 / PP version: 6
- 120 VAC (gear pump version only)
- 400 VAC or 480 VAC w/o neutral transformers
- Low-Level sensor
- Pre-filter gauges cue filter change or clogged nozzles
- Dynafill auto feed capable
- Available pre-melt grid for increased melt rate
- Handgun controlled pump trigger (GP version only)

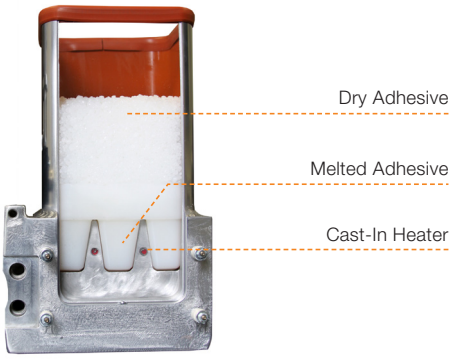
TECHNICAL DATA

System	4 KG	8 KG	16 KG (Piston pump only)
Hopper capacity	4 kg (9 lbs)	8 kg (18 lbs)	16 kg (35 lbs)
Operating temperature range	10° C to 218° C (50° F to 425° F)		
Melt rate*	10 kg/h (25 lbs/h)	10 kg/h (25 lbs/h)	23 kg/h (50 lbs/h)
w/ Optional Grid	N/A	N/A	41 kg/h (90 lbs/h)
Piston pump rate	4/8/16KG = 0.91 kg/min (2 lbs/min) 16KG Dual PP = 1.81 kg/min (4 lbs/min)		
Piston pump compression ratio	12:1		
Gear pump sizes	1.5, 3.2, 4.5, 10 ccm/rev		
Hose/Head output zones	Gear pump version: 2 Piston pump version: 2, 4, 6		
Max. working hydraulic pressure	68 bar (1000 psi)		
Temperature Control Stability	+/- 1° C (1° F)		
Supply voltage setup	120 VAC (gear pump version only) 230 VAC Single Ph, 240 VAC 3Ph Δ, 230/400 VAC 3Ph + N + PE, 400/480 VAC, 3Ph. Δ		
Viscosity range	500 to 50,000 cps		
Height	454.5 mm (17.89 in)	541.5 mm (21.32 in)	510.6 mm (20.10 in)
Depth	339 mm (13.34 in)	339 mm (13.34 in)	431.2 mm (16.97 in)
Width	619.5 mm (24.39 in)	619.5 mm (24.39 in)	712.9 mm (28.07 in)

*Dependent on adhesive type

MELT-ON-DEMAND HOPPER

Adhesive degradation is recognized as the number one cause of downtime on hot melt equipment. To address this problem, ITW Dynatec has patented a “Melt-On-Demand” system. ITW Dynatec’s vertical, unheated hoppers only melt the amount of adhesive required by the application. Most of the hot melt adhesive in the hopper remains at a much lower temperature, perhaps even solid state. The added benefits of melting only the adhesive required are quicker start-ups, reduced energy costs, better viscosity control, and reduced fumes.



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