

Dynamelt™ SR

THE DYNAMELT™ SR 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 OFFERING GREATER FLEXIBILITY.

FLEXIBILITY

A compact footprint, ergonomic design, and corner mounted hose connections make this the most versatile, user-friendly melter on the market today.

RELIABILITY

Melt-On-Demand technology, 15 times more filtration area and isolated electronics make this one of the most reliable melters on the market today.

SAFETY

A lock-out-tag-out main power switch, insulated manifold cover and "finger-safe" electronics maintain safety during both production and maintenance.



DYNAMELT™ SR SERIES ADHESIVE SUPPLY UNIT

Dynamelt™ SR defines a new standard of innovation in the industry. With intuitive controls and a modular design that make it simple to install, operate and maintain, the Dynamelt™ SR is the go-to choice for manufacturers worldwide. Designed to be used in conjunction with the Dynatec family of equipment for maximum efficiency and performance, this virtually “invisible” system will remain in sight but out of mind in your facility. It consumes 20 % less energy and significantly less air than similar units while advanced diagnostics, quick-change components and a larger filtration surface significantly reduce maintenance cycles and required labor.

FEATURES

- Intuitive, easy to read display is repositionable to front or side of unit and shows all system parameters at a glance.
- Consumes up to 20 % less energy and significantly less air than similar competitive units, reducing operating costs.
- New Nano ceramic hopper coating is 5 times more durable than competitive PTFE coatings to withstand wear.
- Replace modular electronics, filters and pumps easily with new simplified procedures.

OPTIONS

- Pendant Control
- No local display - Pendant control compatible
- Tank Recirculation Kit (only for gear pump)
- Handgun controlled pump trigger
- Water resistant hose electrical connector cover kit
- Signal isolator
- Dual hose swirl kit
- Drop-in heating grid (SR10, SR22 and SR45 only)

TECHNICAL DATA

System	SR05	SR10	SR22	SR45
Hopper Capacity *	5 kg (10 lbs)	10 kg (22 lbs)	22 kg (48 lbs)	45 kg (100 lbs)
Weight	59 kg (129 lbs)	63 kg (138 lbs)	80 kg (177 lb)	90 kg (198 lbs)
Operating temperature range	10° to 218 °C (50° to 425 °F)			
Viscosity range	500 to 50,000 mPas/cps			
Melt rate **	10 kg/h (23 lbs/h)	10 kg/h (23 lbs/h) w. heating grid = 15 kg/h (34 lbs/h)	22 kg/h (50 lbs/h) w. heating grid = 41 kg/h (91 lbs/h)	23 kg/h (51 lbs/h) w. heating grid = 45 kg/h (100 lbs/h)
Gear pump sizes	from 0,16 to 20 ccm/rev			
Piston pump rate	0.91 kg/min (2 lbs/min)			
Piston pump compression ratio	12:1			
Hose/Head output zones	2, 4 or 6			
Max. working hydraulic pressure	68 bar (1,000 psi)			
Supply voltage setup 1	200-240 VAC, 1Ph, Δ 50/60 Hz, 200-240 VAC, 3Ph Δ 50/60 Hz			
Supply voltage setup 2	240/400 VAC 3Ph Y 50/60 Hz			
Height	533 mm (20.96 in)	661 mm (26 in)	918 mm (36.1 in)	1324 mm (52.1 in)
Depth	427 mm (16.8 in)	427 mm (16.8 in)	456 mm (18 in)	456 mm (18 in)
Width	655 mm (25.79 in)	655 mm (25.79 in)	851 mm (33.5 in)	851 mm (33.5 in)

* No optional grid mounted, ** Melt rates vary with 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.

