

PURBlue™ 4 Adhesive Melters



Nordson® PURBlue 4 adhesive melters simplify use of moisture-cure reactive (PUR) hot melt adhesives in two-, three- or four-kilogram foil encased slugs. The user-friendly design offers simple, reliable operation with quick disassembly for ease of cleaning and maintenance. The “melt-on-demand” process uses only the adhesive needed so reduces thermal stress and protects bonding characteristics of the unused PUR, which remains sealed in its foil bag. Adjustable force on the foil bag delivers optimal contact between adhesive and melting grid to minimize adhesive residue in empty bags. The ability to easily use small volumes of PUR helps increase productivity and reduce adhesive waste.

PURBlue 4 melters:

- Are easy to install and operate with no inert gas requirement
- Provide easy day-to-day operation and maintenance
- Utilize true melt-on-demand temperature control system
- Maximize adhesive usage and reduce residual waste
- Protect adhesive integrity
- Provide simple shutdown procedure for overnight or weekends





Specifications

| | |
|---|---|
| Type of System | PUR slug melter with spur gear pump |
| Foil Bag Diameter | 125 mm and 150 mm |
| Melt Rate (per hour) | 4 kg/hr (9 lb/hr) |
| Holding Capacity | One slug plus 0.75 kg reservoir |
| Maximum Pump Rate | 7.7 cc/rev. |
| Maximum Working Hydraulic Pressure | 75 bar (1100 psi) |
| Temperature Sensor | Nickel RTD (Ni120) |
| Operating Temperature Range | 40 to 175° C (100 to 350° F) |
| Ambient Temperature Range | 0 to 50° C (32 to 122° F) |
| Viscosity Range | up to 50,000 cps |
| Electrical Service | 200 VAC 1/3 phase 50/60 Hz 200 to 240 VAC 1/3 phase 50/60 Hz 380 to 415 VAC-Y (3 phase N/PE) 50/60 Hz |
| Maximum System Power Capacity | 6000 watts |
| Input/Output Capability Standard | 2 Std Inputs – programmable for function 3 Std Outputs – programmable for function Key-to-line |
| Number of Hose/Gun Pairs¹ | 3 |
| Melter Dimensions (W x H x D) | 685 x 964 x 382 mm (27 x 37.9 x 15 in) |
| Installation Dimensions (W x H x D) | 1112 x 964 x 782 mm (43.8 x 37.9 x 30.8 in) |
| Approximate Weight (empty) | 97 kg (214 lb) |
| Protection | IP32 |

¹ Standard Blue Series™ hoses and guns

Flow-through output manifold with no dead spaces can accommodate up to three hoses



Foil-encased PUR slug



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