

# PROBILT™ HOT MELT PNEUMATIC PUMPS

## 14:1 PISTON PUMPS

Universal Systems SE manufactures new 14:1 piston pumps for all ProBilt™ melters as well as Nordson® compatible glue pumps for legacy melters. ProBilt™ Pumps are designed to deliver and maintain continuous hydraulic pressure to meet the demands of today's high speed manufacturing. Simple design of these adhesive piston pumps, combined with state of the art technology, ensures a durable, reliable, and trouble free performance with a wide variety of hot melts.



Manufactured from hardened stainless-steel, the ProBilt™ pneumatic pump's two-piece air valve contains an inner spool and outer sleeve that minimizes corrosion and air leakage. This pump also provides a self-cleaning action as the spool and sleeve's precise contact wipes the pump components surface clean. Making this pump one of the most efficient and effective pumps in the industry.

Another key factor is the unique magnetic actuator. This actuator uses high strength permanent magnets to cycle the air valve, controlling air flow to the pump. The magnetic forces minimize wear from friction and increases the lifetime of the pump.

The ProBilt™ Series MP Piston Pump is specifically designed to fit all ProBilt™ series hot melt units which include but are not limited to Phoenix 15 System, Phoenix 20 System, ProBilt 8, ProBilt 12, ProBilt 15, ProBilt 20 and ProBilt 40.

### BENEFITS:

- ❖ Stainless-steel precision air valve resists wear and corrosive effects from plant air.
- ❖ Precision spool-and-sleeve fit improves air efficiency.
- ❖ Air-valve and actuator design allows easy diagnosis of pump problems for faster repair.
- ❖ High strength permanent magnets actuate air valve which reduces the chance of an incomplete shift.
- ❖ Double acting piston pump delivers fluid on pump upstroke and downstroke, maintaining consistent pressure to provide on-demand delivery and reduce adhesive degradation due to shearing.
- ❖ Piston pump is compatible with a wide range of adhesives.

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## COMPATIBILITY

### NORDSON® SERIES 3000 APPLICATORS

ProBilt™ Series 3K Piston Pumps are designed to be compatible with Nordson® Series 3000 Applicators including Vista, Multiscan, and Uniscan.

### NORDSON® 2300 SERIES MELTERS

ProBilt™ Series 23C and 23CS Pumps are designed to be compatible with Nordson® 2300 series melters. Let us help you service your 2302 Melters, 2304 Melters, 2305 Melters and 2306 Melters with new adhesive piston pumps, drain valves, tank filters and much more.



## REBUILD OPTIONS AVAILABLE

USSE will take in an old 3000 series or 2300 series pump for evaluation of rebuild. If our technicians cannot rebuild your pump, then we will allow you to exchange that irreparable pump for credit towards a new USSE manufactured pump.

USSE also offers rebuilding services for all Nordson® ProBlue® pneumatic pumps.

All USSE pumps are new, manufactured in the United States, and carry a 1-year warranty. Call 1-800-848-5018 to speak with one of our engineers today.

**For more information, contact us directly:**

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## SPECIFICATIONS

Pressure Ratios: 1:14

Maximum Pump Rate: 1.2 lbs /min

Viscosity Range: 800 – 3,000 cps

Recommended Operating Air Pressure Range: 10 – 60 psi

Resulting Hydraulic Pressure Range: 140 – 840 psi

Maximum Speed Pump: 90 strokes/min

Air Consumption at 60 psi and maximum pump speed: 1.6 scfm