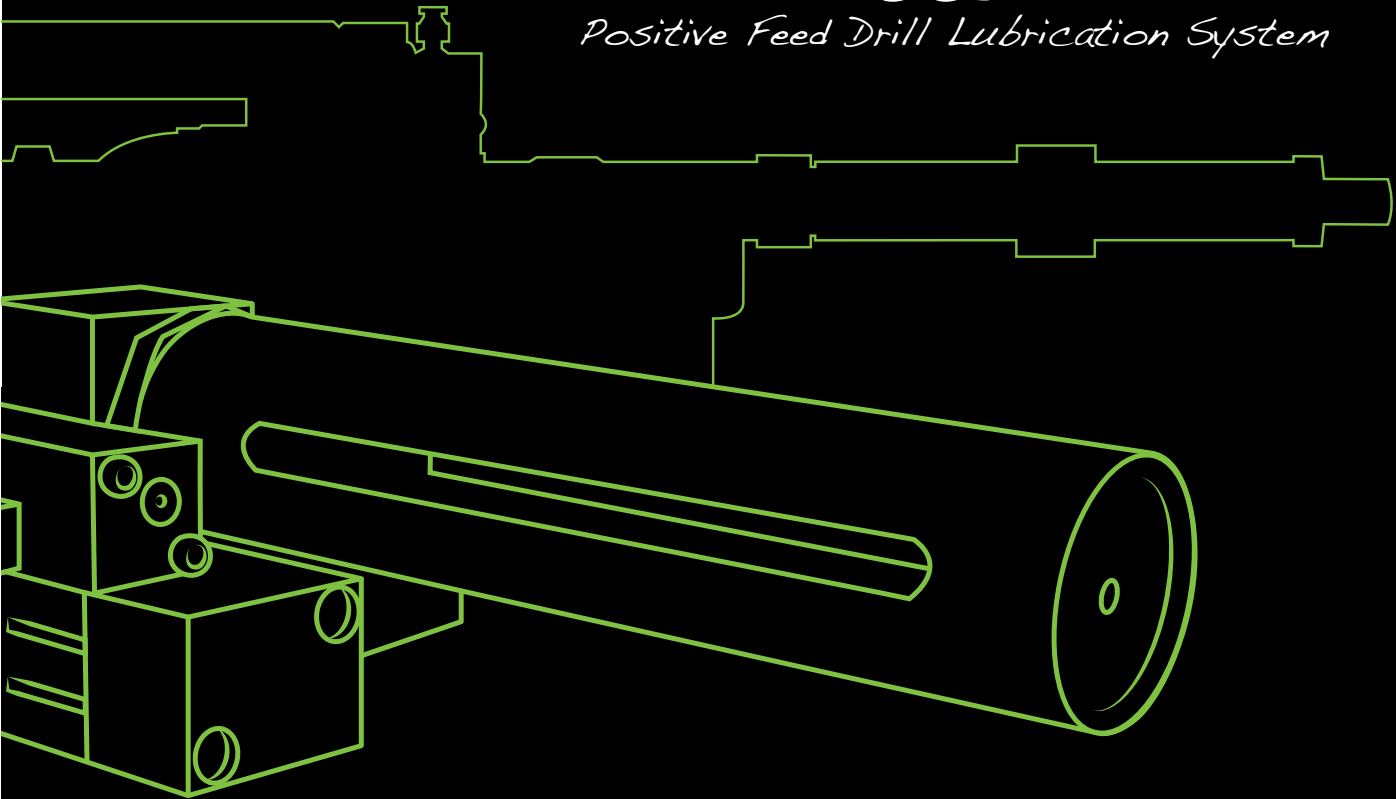




Mini-Piggyback™

Positive Feed Drill Lubrication System



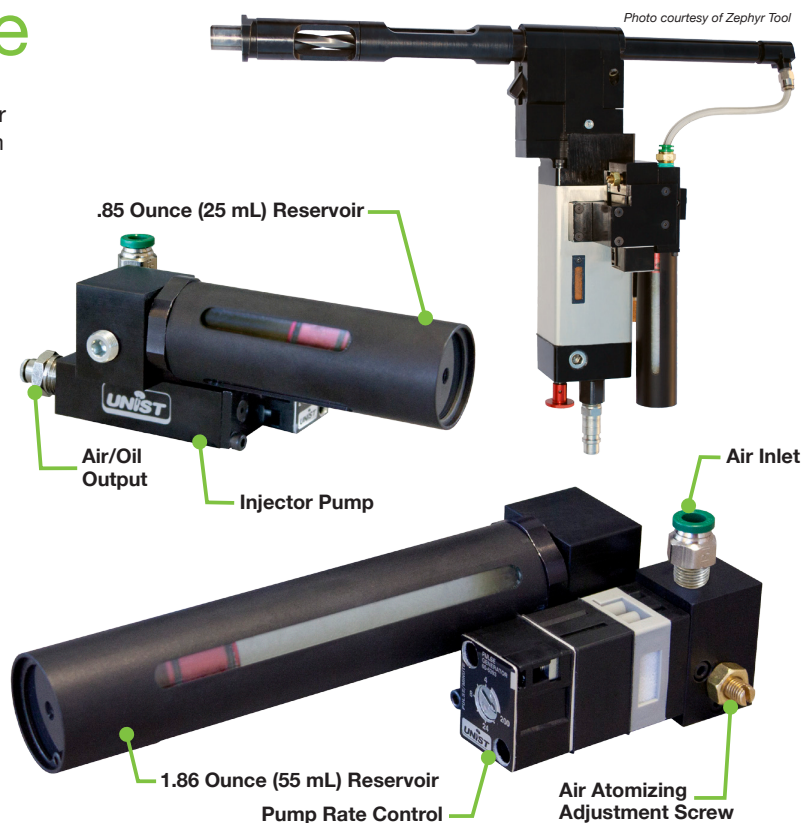
Mini-Piggyback™ *Positive Feed Drill Lubrication System*

Portable & Precise

The Unist Mini-Piggyback™ system sets a new standard for lubricating cutting tools on positive feed drills. This system uses a positive displacement pump to precisely apply the right amount of lubrication to the cutting tool, hole after hole. The operator can easily adjust both the fluid and the air output to dial-in the perfect setting for any tool.

The Mini-Piggyback™ is 100% pneumatically operated. It is designed to use air supplied downstream from the tool trigger, so it operates whenever the tool is running. The fluid supply is contained in a removable reservoir that can easily be exchanged when empty. Empty reservoirs can be refilled using the Unist reservoir refill stations, so they're ready to use again. The Mini-Piggyback™ can dispense a wide range of lubricants with varying viscosities. Atomizing air can be easily adjusted or turned off completely.

The Mini-Piggyback™ is available in two configurations: continuous-output, which provides a constant delivery of lubricant for operations with long cycle times, and intermittent-output, which provides a single shot of lubricant for smaller cutting tools with short cycle times.



- Precise lubricant output
- Increase cutting tool life
- Easy to install on most positive feed drills
- Improve hole quality

Specifications

Injector Output: 1 Drop (0.05 mL) per pulse

Pump Rate: 4 to 200 Cycles per minute

Inlet Air: 70-115 psi (5-8 Bar)

Reservoir Capacity: .85 Ounces (25 mL) or
1.86 Ounces (55 mL)
(500 or 1100 pump cycles)

Features

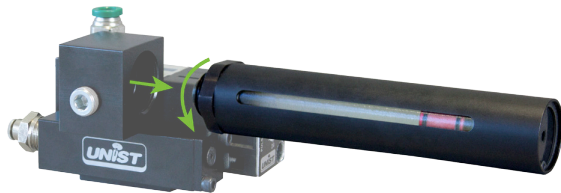
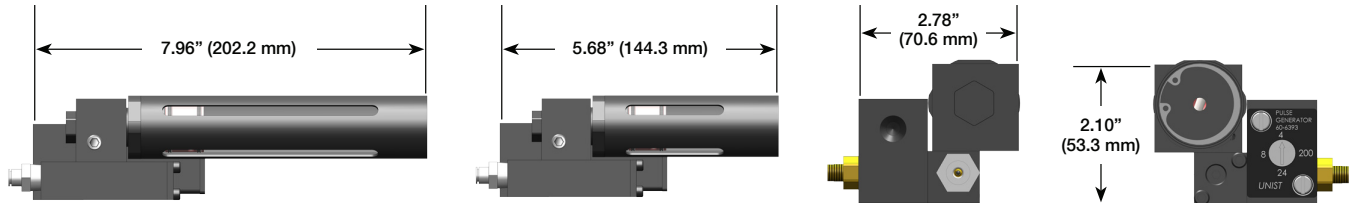
- Translucent reservoir
- Quick connect reservoir
- Adjustable fluid output
- Adjustable air output
- Variety of output tubes
- Easy mounting
- Instant ON / Instant OFF
- Uniform, consistent fluid output independent of back pressure
- Rugged design

LIFETIME PUMP WARRANTY

Your Mini-Piggyback's™ pump is guaranteed for life when used exclusively with Unist Coolube® Lubricant



Mini-Piggyback™ Dimensions



Removable Reservoir

A unique feature of the Mini-Piggyback™ system is the removable, interchangeable fluid reservoir. This allows the lubricant to be replenished almost instantly by simply replacing the empty reservoir with a full one, maximizing the productivity of the tool.

Unist Coolube®

Maximize the benefits of your Mini-Piggyback™ system by filling your reservoir with Unist Coolube®. Coolube® is a 100% natural biodegradable lubricant derived from renewable vegetable products that is friendly to the environment and machinists. It is specifically formulated to increase tool life and improve surface finishes in all machining operations. Coolube® contains no VOC's, chlorine, or silicone. As an added bonus, Unist guarantees the pumps in our Mini-Piggyback™ systems forever when Coolube® is used exclusively.



Coolube® is a USDA certified biobased product



Automatic Mini-Piggyback™ Reservoir Refill Station

Manual Mini-Piggyback™ Reservoir Refill Station



Mini-Piggyback™ Reservoir Refill Stations

The automatic and manual Mini-Piggyback™ reservoir refill stations are designed to allow swift and easy refilling of quick-change Mini-Piggyback™ reservoirs. The stations fill Mini-Piggyback™ reservoirs and virtually eliminates trapped air which can cause inconsistent fluid output. Using these stations ensure properly filled reservoirs every time.

