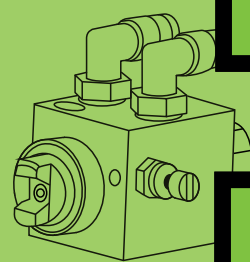
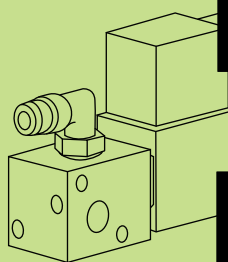
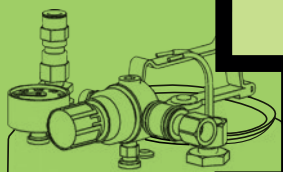




LV System *Low Volume Spray Solution*



Versatility & Control

When you need precise control of your spray, the Unist Low Volume Spray System delivers with a consistent and controlled spray pattern. The air and fluid volumes are controlled independently at each nozzle with precision needle valves, allowing you to fine tune the spray to your specific needs. An integral valve at the nozzle tip means our system features immediate on and off control, which eliminates lag and prevents messy fluid drips.

- Valve at nozzle tip eliminates messy drips
- Immediate on/off spray control
- Fine control of spray pattern
- Individual air & fluid control
- Air actuated design



Air Actuated

The nozzle is operated with a compressed air signal, which allows the pressurized fluid to flow whenever the air signal is present. An internal valve at the nozzle tip allows for crisp on/off control.



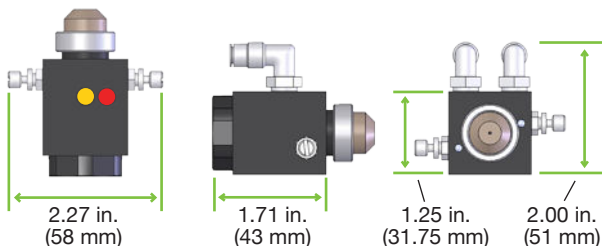
Precise Control

Independent precision needle valves for liquid and air allow you to dial in a finely tuned spray to suit your application and fluid type.



Nozzle Dimensions

- M6 X 1 Mounting Hole
- 1/4-20 Mounting Hole



Specifications

- Air Supply Pressure: 30-100 psi (dry filtered compressed air)
- Fluid Supply Pressure: 5-100 psi
- Maximum Cycle Rate: 200 Cycles Per Min
- Operating Temp Range: 40-150°F (4-65°C)
- Body: Anodized Aluminum
- Needle Valves: Stainless Steel
- Fittings: Nickel-Plated Brass
- Fluid Seal Material: Fluorocarbon (Viton)
- Air Seal Material: Nitrile (Buna-N)

Typical Applications



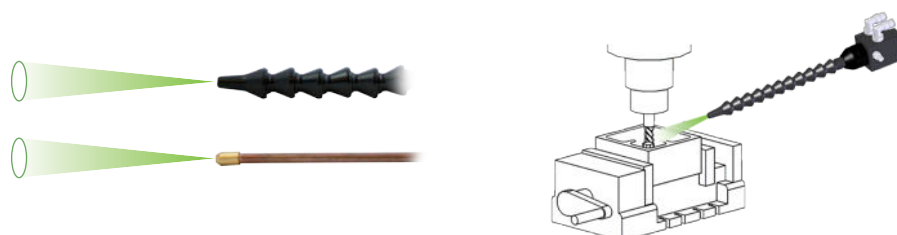
Broad Conical Spray Pattern

The LV System with conical spray nozzle provides the perfect spray pattern for spot lubrication or coating.



Fan Spray Pattern

The fan spray nozzle converts the LV System into a precision coating applicator. Multiple nozzles can be ganged together to cover wide areas with overlapping fan spray.



Narrow Conical Spray Pattern

The LV System can be used to deliver a precise, fine-tuned spray directly to the cutting tool/work piece interface in metal cutting operations. This extended nozzle design allows you to reach tight areas that otherwise might be difficult to access.

LV System Components

Nozzle



External Mix Fan Spray

or



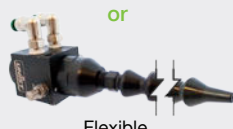
Internal Mix Conical Spray

or



Rigid Copper

or



Flexible

Valve



Solenoid Valve
110 VAC, 220 VAC, 24 VDC

or



Manual Valve

or



Solenoid Valve Bank
110 VAC, 220 VAC, 24 VDC

Supply



3 Gallon Stainless

or



6 Gallon ASME Rated

or



15 Gallon ASME Rated

or



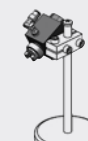
Diaphragm Pump

Mounting



Articulating Arm

or



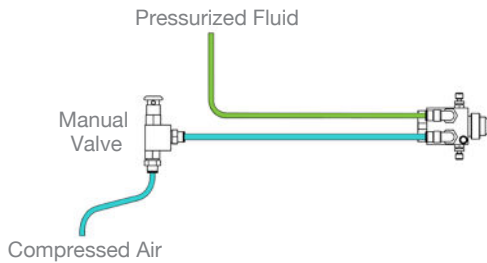
Adjustable Magnet Mount

or



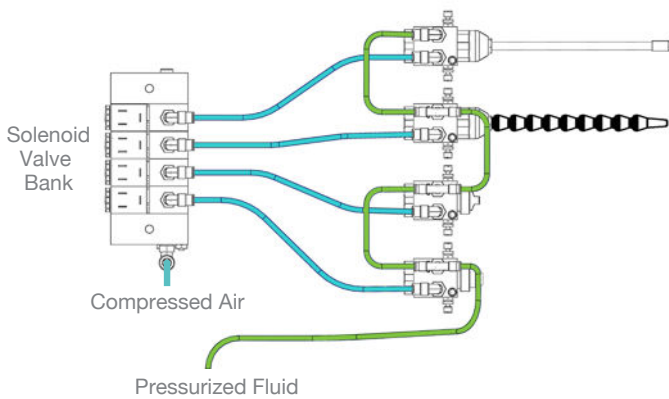
Custom Mounting Rack

System Examples



Simple Manual Valve Operation

The Low Volume System can be configured as a simple on demand spray system. The system is actuated with a simple push-button manual valve for immediate spray when needed.



Solenoid Valve Operation

When automation or multiple nozzles are required, the Low Volume System can incorporate from one to twelve separate solenoid valves. This configuration allows independent actuation of each nozzle. Solenoid valves are available in several voltages including 110 VAC, 220 VAC, and 24 VDC.

Need Help Building a Custom Low Volume System?

The possibilities are endless for the Low Volume System. Contact us for assistance in building a system to fit your unique fluid delivery needs. We'd be glad to help!

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