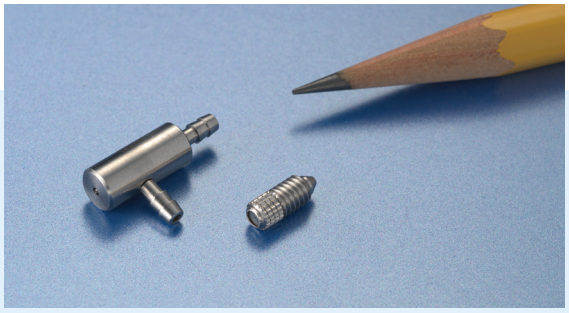
Innovation in Miniature

PRODUCT DATA SHEET

ATOMIZING NOZZLES



- Air-Assisted and Airless Designs
- Stainless Steel Construction
- Small Compact Design (Compatible with Lee 062 MINSTAC Fitting System)
- Use with Lee VHS Valves for Fine Flow Rate Control (PWM) – Pulse Width Modulation
- Airless Nozzles Provide 50° Hollow Cone Spray Pattern
- Air-Assisted Nozzles Provide 50° Solid Cone Spray Pattern

The Lee Company's new atomizing nozzles, available in both airless and air-assisted styles, generate a 50° cone spray pattern and offer precise, controlled atomization in a compact package.

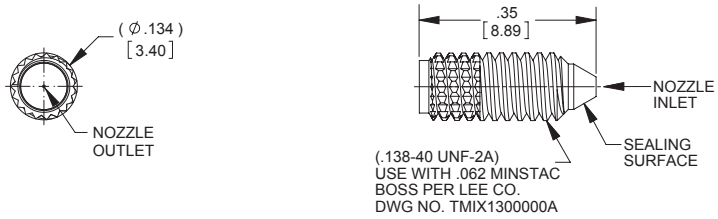
The airless atomizing nozzles do not need an external air supply and will atomize with pressures as low as 20 psi (on water). The standard airless atomizing nozzles feature all stainless steel construction, with 6-40 threads designed to work with the Lee 062 MINSTAC® fitting system. Available in multiple flow ranges, these nozzles can be installed directly onto a Lee VHS micro-dispense valve for precise flow control using pulse-width modulation (PWM).

The air-assisted nozzles utilize an external air source to control the atomization, allowing lower fluid operating pressures (as low as 5 psi). The pressure of the liquid and the air can be independently controlled to fine-tune the flow rate and nozzle performance.

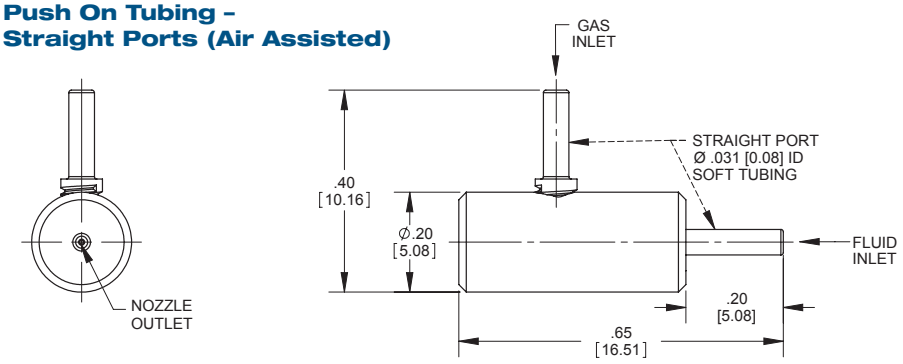
Atomizing nozzles with special mounting configurations and PEEK wetted materials are available as special designs. Also available are single orifice nozzles for droplet dispensing, and VHS Micro-Dispensing Development Kits which include the valving, nozzles, safety screen, spike/hold driver and tubing for micro-dispensing.

Contact your local Lee sales engineer for additional technical assistance and application information.

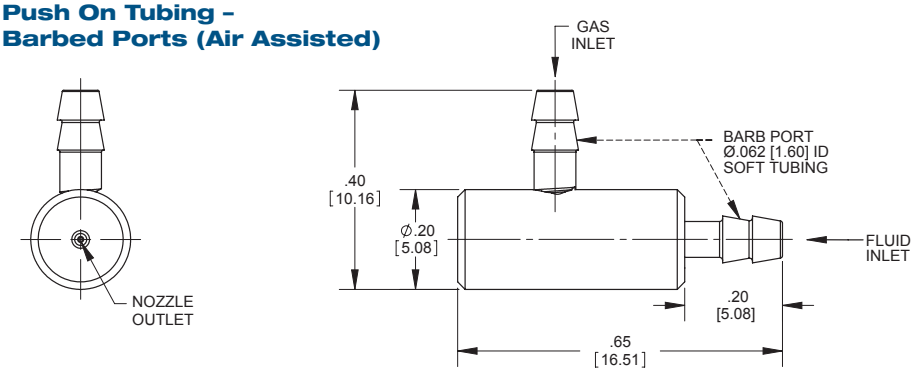
062 MINSTAC (Airless)



Push On Tubing – Straight Ports (Air Assisted)



Push On Tubing – Barbed Ports (Air Assisted)



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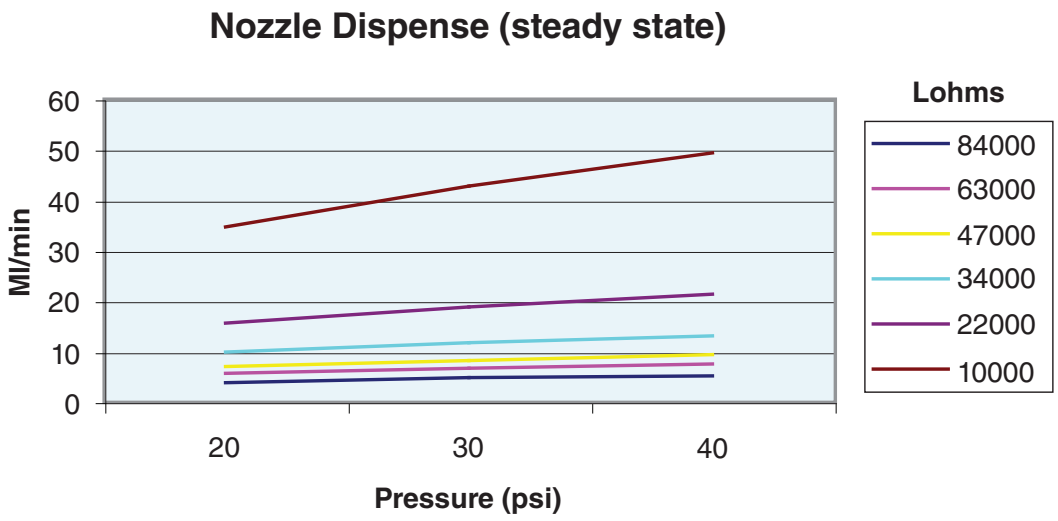
LEE ATOMIZING NOZZLES

LEE PART NUMBER	CONFIGURATION	STYLE	NOZZLE LOHM* RATE	CONE ANGLE (DEGREES)	FLUID INLET PRESSURE (PSI)
IAZA1200184K	062 MINSTAC	Airless	84,000	50 Hollow	10 – 1,000
IAZA1200163K	062 MINSTAC	Airless	63,000	50 Hollow	10 – 1,000
IAZA1200147K	062 MINSTAC	Airless	47,000	50 Hollow	20 – 1,000
IAZA1200134K	062 MINSTAC	Airless	34,000	50 Hollow	20 – 1,000
IAZA1200122K	062 MINSTAC	Airless	22,000	50 Hollow	20 – 1,000
IAZA1200110K	062 MINSTAC	Airless	10,000	50 Hollow	20 – 1,000
IAZA5200315K[1]	Push on tubing (straight ports)	Air-Assisted	15,000	50 Solid	5 – 60
IAZA5200415K[1]	Push on tubing (barbed ports)	Air-Assisted	15,000	50 Solid	5 – 60

1. External air pressure of 5 psi or greater is needed for atomization.

* The Lohm is a measure of flow resistance. Additional information can be found at www.TheLeeCo.com.

- Designed to work with 062 MINSTAC valves and components
- Flow can be precisely controlled using Lee VHS valves and pulse width modulation (PWM)
- Stainless steel design is compatible with a wide range of fluids



This chart illustrates steady state flow through the nozzles.
Flow rates can be further modified by using pulse width modulation through a VHS valve.

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