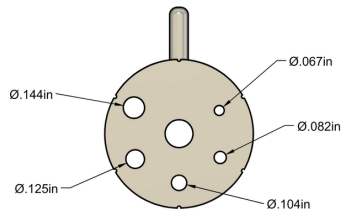
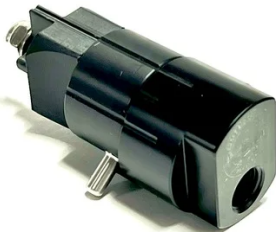




Photo shows 5GPA application of 4 GPA
Kryptonite brand foliar fertilizer straight streamed at 150MPH

LF-5 Laminar Flow Straight Stream Nozzle



FLOW IN GPM

PSI	0.067	0.082	0.104	0.125	0.144
30	0.51	0.77	1.24	1.78	2.37
40	0.59	0.89	1.43	2.06	2.73
50	0.66	0.99	1.59	2.30	3.06
60	0.73	1.09	1.75	2.52	3.35
70	0.78	1.16	1.87	2.70	3.58
80	0.82	1.23	1.97	2.85	3.79



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PROJECT

Laminar Flow Nozzle

TITLE

OrificePlateFlowChartDrawing

APPROVED

CHECKED

SIZE
A

CODE

DWG NO

REV

DRAWN Craig Craft

11/11/24

SCALE 2:1

WEIGHT

SHEET 1/1

LF-5 Laminar Flow Straight Stream Nozzle



The new LF-5 is a laminar flow, straight-stream nozzle designed for high-speed turbine ag aircraft. It offers five easily selectable orifices and a shutoff position, each aligned with clear witness marks on the body, orifice plate, and deflector for quick, tool-free changes.

Using standard aircraft nozzle spacing, the LF-5 allows operators to switch flow rates while maintaining consistent boom pressure and coverage volume. Flow settings from 1–10 GPA can be selected instantly, optimizing for straight stream, low, or medium deflection.

Advantages

- Built to reduce drift and fines, even with nitrogen-based products like Coron.
- Designed for aircraft flying 140–200 mph, maintaining a large droplet spectrum with a tight CV for consistent application.
- Deflector plate provides straight, low, and medium deflection options—its high deflection equals the leading brand's low setting.
- Constructed from hard anodized aluminum with PTFE coating and UV/chemical-resistant poly components for long service life.
- Viton O-Ring seal—no proprietary parts needed for service.
- Ascending orifice order makes setting easy: smallest orifice clockwise, largest counterclockwise, and a marked OFF position.

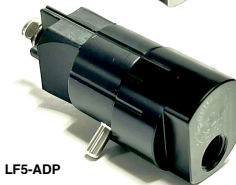
The LF-5 provides unmatched versatility and droplet control for turbine aircraft, achieving one of the largest VMDs of any multi-orifice straight-stream nozzle.

LF-5 Series Nozzles

Product	Description	Weight	Price
LF5-ADP	Aluminum body with Poly Orifice and Poly Deflector	56.4 g	\$70.00
LF5-SDP	Stainless Body with Poly Orifice and Poly Deflector	116 g	\$90.00
LF5-ASP	Aluminum Body with Stainless Orifice Plate and Poly Deflector	103.0 g	\$80.00
LF5-SSP	Stainless Body with Stainless Orifice Plate and Poly Deflector	162.6 g	\$105.00



LF5-SSP



LF5-ADP



LF5-ASP



LF5-SDP

Precision Spray Systems for Modern Ag Aircraft
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