

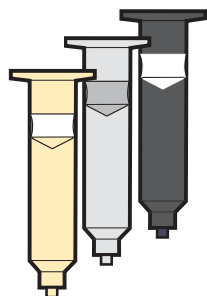
GENIUS® COMPONENTS

AIRFREE® SYRINGES BULK PACKED



Ordering components in bulk packaging provides a lower price for large quantity consumers of Genius® components. Genius® components ensure smooth and consistent dispensing of assembly fluids. Our Customer Service Representatives are ready to assist with questions or sample requests, call 800-433-2115.

GENIUS®



Barrels and Pistons*

Available in: Clear for regular fluids; Black for visible light cure fluids; Amber for UV cure fluids. Each package contains same amount of syringes and PosiLok™ engageable pistons. *NOT INSERTED

Size	Clear	UV Amber	Opaque Black	CA Clear	Qty. Per Pkg.
3cc	A852451	A852491	A852421	A8524Q1	1,000
5cc	A853451	A853491	A853421	A8534Q1	1,000
10cc	A854451	A854491	A854421	A8544Q1	1,000
30cc	A856451	A856491	A856421	A8564Q1	1,000

PosiLok™
End Cap



Tip Cap

Sealing Caps

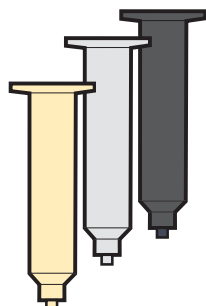
Pressure fit caps for contaminant proof sealing.

End Cap

Size	PosiLok™ End Cap	Qty. Per Pkg
3cc	A6420C1	1,000
5cc	A6430C1	1,000
10cc	A6440C1	1,000
30cc	A6460C1	1,000

PosiLok™ Tip Cap

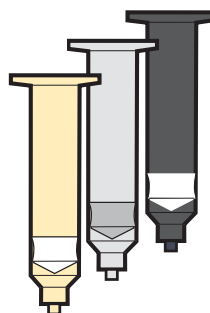
White Cap	Black Cap	CA	Qty. Per Pkg
A600031	A600021	A830021	1,000



Barrels without Pistons

Available in: Clear for regular fluids; Black for visible light cure fluids; Amber for UV cure fluids.

Size	Clear	UV Amber	Opaque Black	Qty. Per Pkg.
3cc	A012051	A012091	A012021	1,000
5cc	A013051	A013091	A013021	1,000
10cc	A014051	A014091	A014021	1,000
30cc	A016051	A016091	A016021	1,000



Barrels w/ Pistons Inserted

Size	Clear	UV Amber	Opaque Black	Qty. Per Pkg.
3cc	A252451	A252491	A252421	1,000
5cc	A253451	A253491	A253421	1,000
10cc	A254451	A254491	A254421	1,000
30cc	A256451	A256491	A256421	1,000

Barrels sealed in an anti-static bag keeping parts clean



SmartDispenser®

GENIUS® SYRINGE COMPARISON

AIRFREE® DISPENSING SYSTEMS

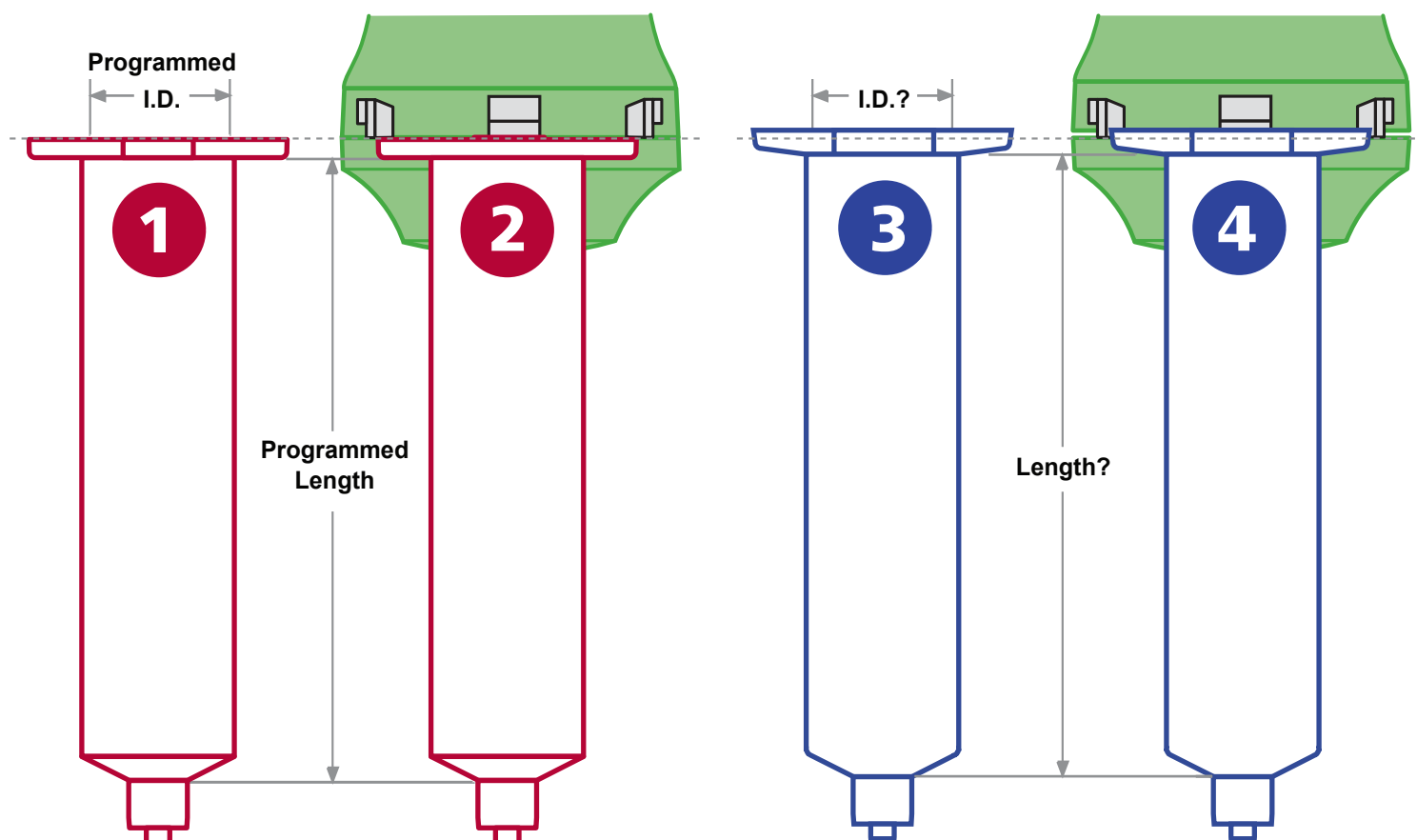
Why competitors' syringes cannot be used for AirFree® Dispensing.

Genius® Syringes

1. The I.D. and lengths of the Genius® Syringes are programmed into the SmartDispenser® software, thus providing the highest repeatability.
2. The SurLok™ retaining ring is specifically designed for Genius® Syringes. Genius® Components are made to fit perfectly for safety and consistent repeatability.

Competitor Syringes

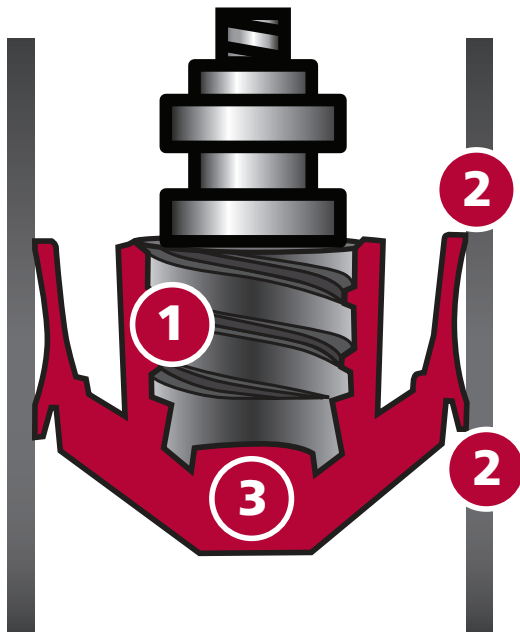
3. No two syringes are the same. Using a competitors' syringes will destroy repeatability due to dimensional differences.
4. Competitors' syringes are too thick to fit in the locking mechanism. Thus the retaining ring only partially locks, creating safety issues and flexing during the dispense, which destroys repeatability.



Why competitors' air pistons cannot be used for AirFree® Dispensing.

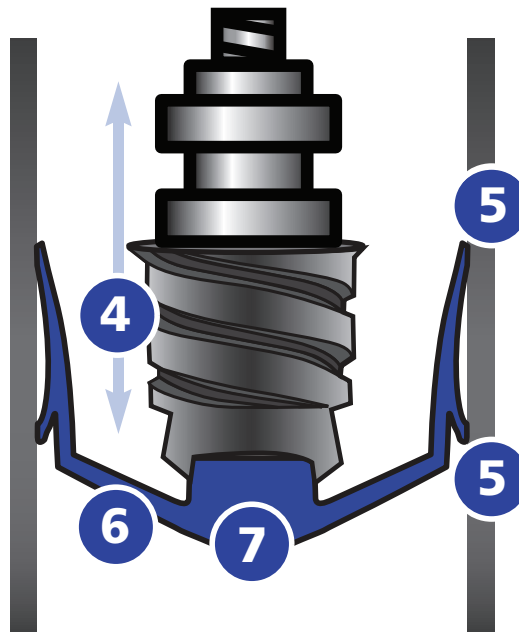
Genius® PosiLock™ Pistons

1. PosiLock™ industrial thread locks the piston to the drive rod guaranteeing no slippage during dispensing — no pressure loss.
2. Increased interference fit completely seals the chamber — no pressure loss.
3. Thick, maximum-strength wall for high-pressure dispensing — no pressure loss, for safety and consistent repeatability.



Competitor Pistons

4. No interlocking connection between the piston and the drive rod. Piston slips during the dispense, creating pressure loss.
5. Light interference fit does not seal the chamber, thin wall flexes under pressure, allowing fluid to flow by — creating a pressure loss and potentially damaging the dispense gun.
6. Thin wall collapses under pressure, creating pressure loss.
7. Pressure from the lead screw on the center collapse



The Result: Pressure loss destroys repeatability

With Competitor Components

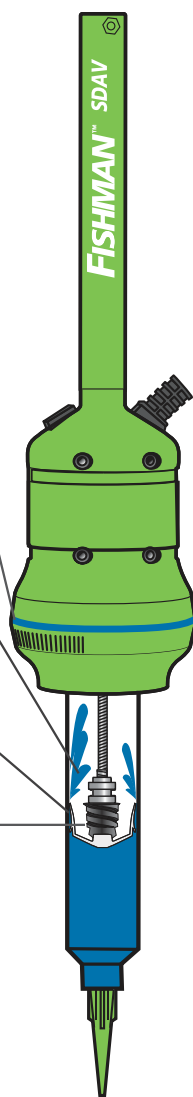
1. Lack of process control
2. Inconsistent dot sizes
3. Fluid waste
4. Rejects
5. Rework

PosiLok™ retaining ring only partially closes, due to the syringe end being too thick, creating an unsafe dispensing environment. Loose fit also creates pressure loss, destroying repeatability.

Loose interference fit between syringe and piston allows fluid to flow by piston, creating pressure loss and potential damage to the dispense gun.

Thin walled piston collapses under pressure, creating pressure loss.

No thread prevents reverse motion, creating fluid ooze during dispensing.



With Genius® Components

1. Total process control
2. Consistent dot sizes
3. Fluid savings
4. Elimination of rejects
5. Elimination of rework

PosiLok™ retaining ring closes 100%, for safe dispensing and no pressure loss.

Heavy interference fit between syringe and piston seals the chamber, preventing fluid flowing by the piston assuring no pressure loss.

Thick walled piston withstands pressure, maintaining pressure integrity.

PosiLok™ industrial thread locks the piston to the drive rod allowing reverse motion to snuff back.

