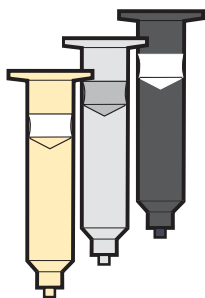


GENIUS® COMPONENTS AIRFREE® SYRINGES BOXED



Pre-packaged for ease of use, inventory control and easy reordering. 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.

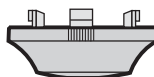
GENIUS®



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

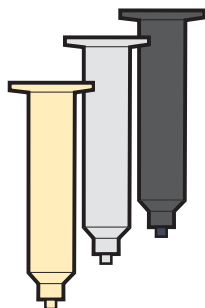
Size	Clear	UV Amber	Opaque Black	CA	Qty. Per Box
3cc	O122051	O122061	O122071	O502051	50
5cc	O123131	O123141	O123151	O503131	40
10cc	O124171	O124181	O124191	O504131	30
30cc	O126211	O126221	O126231	O506131	20



SmartDispenser® Retaining Syringes

The unique multi-legged design firmly locks the syringe into place eliminating any possibility of pressure loss during dispense.

Size	Retaining Ring	Qty. Per Box
3cc	O312291	1
5cc	O313291	1
10cc	O314291	1
30cc	O316291	1



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 Box
3cc	O012051	O012061	O012071	50
5cc	O013131	O013141	O013151	40
10cc	O014171	O014181	O014191	30
30cc	O016211	O016221	O016231	20

PosiLok™ End Cap



Sealing Caps

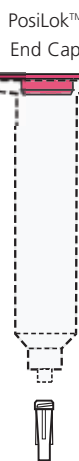
Pressure fit caps for contaminant proof sealing.

End Cap

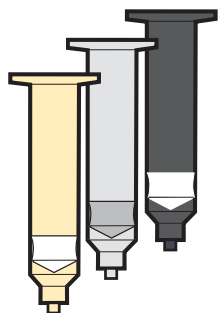
Size	PosiLok™ End Cap	Qty. Per Box
3cc	O272051	50
5cc	O273131	40
10cc	O274171	30
30cc	O276211	20

PosiLok™ Tip Cap

White Cap	Black Cap	CA	Qty. Per Box
O050051	O050071	O520071	50



Tip Cap



Barrels with Pistons Inserted

Size	Clear	Opaque Black	CA	Qty. Per Box
3cc	O562051	O562071	O592051	50
5cc	O573131	O573151	O603131	40
10cc	O554171	O554191	O614171	30
30cc	O586211	O586231	O626211	20

Barrels sealed in an anti-static bag keeping parts clean

SmartDispenser®

GENIUS® SYRINGE COMPARISON

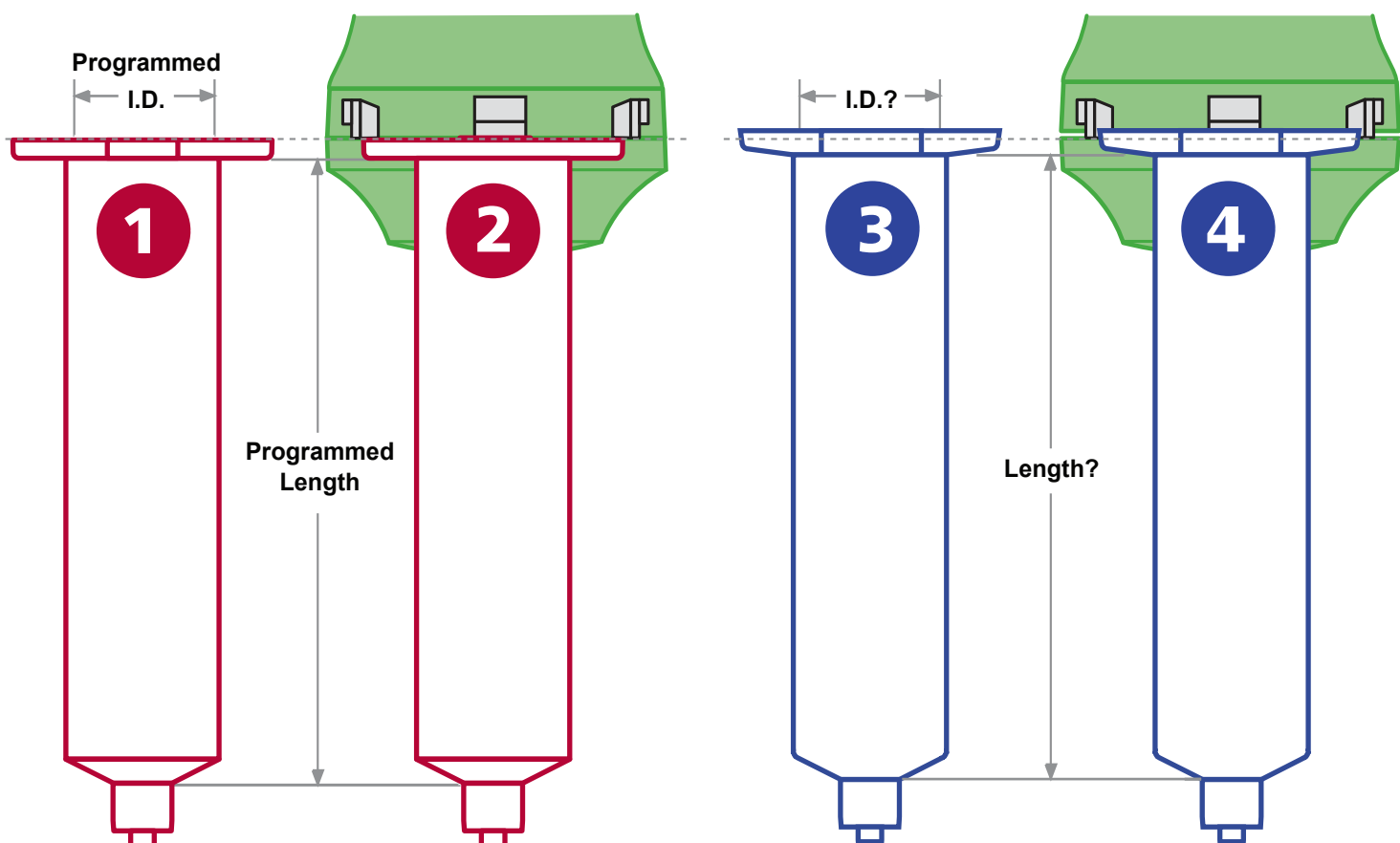
Why competitors' syringes cannot be used for AirFree® Dispensing.

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.



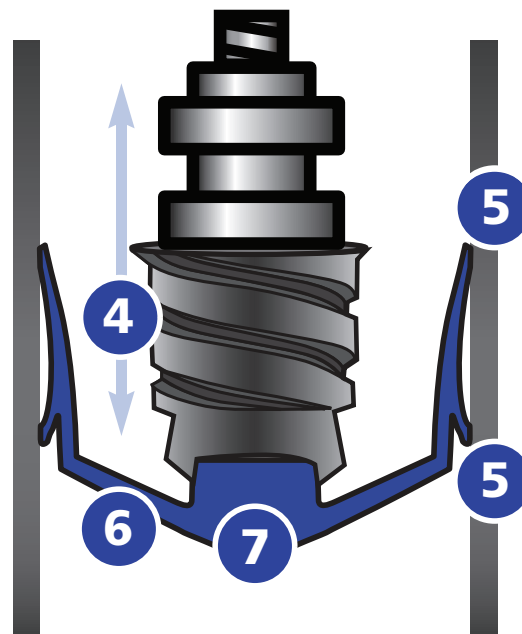
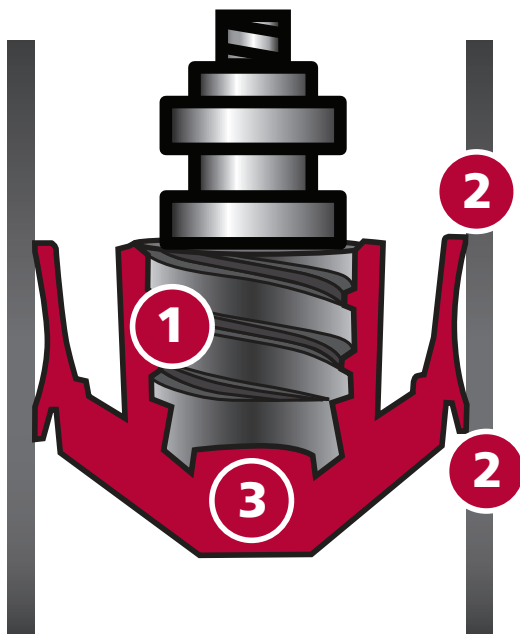
Why competitors' air pistons cannot be used for AirFree® Dispensing.

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

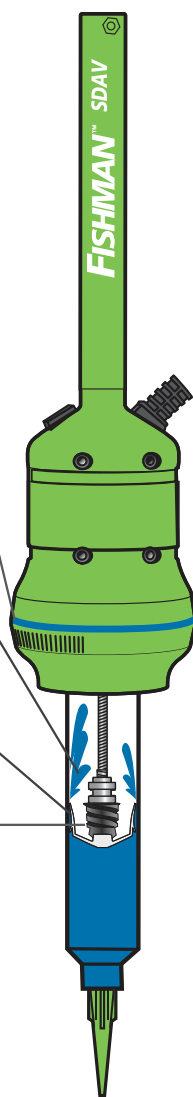
1. Lack of process control
2. Inconsistent dot sizes
3. Fluid waste
4. Rejects
5. Rework

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.

