

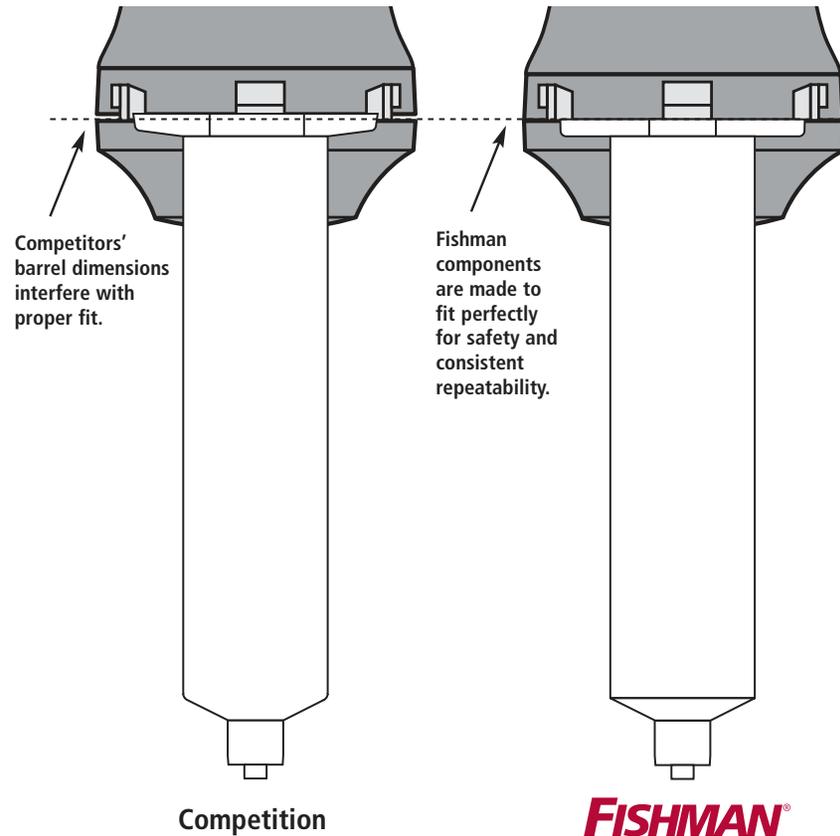
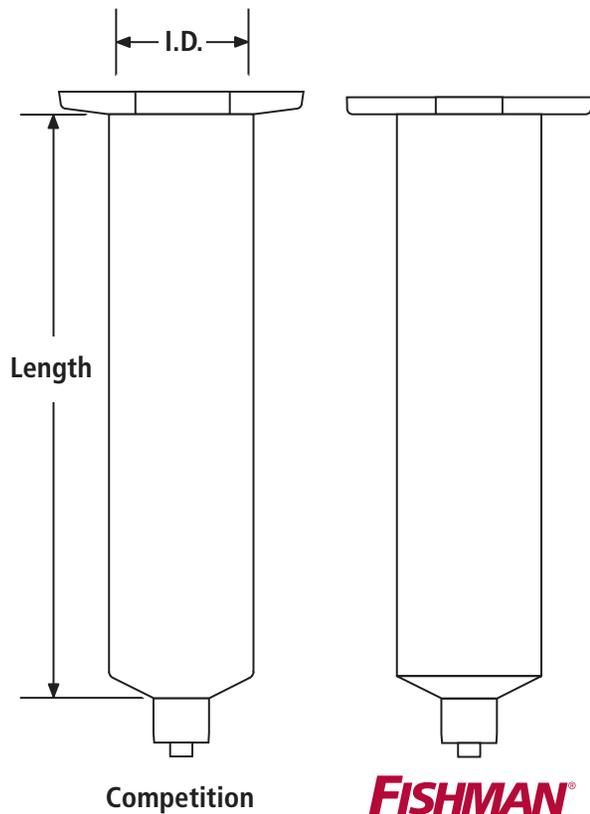
FISHMAN® Barrel Comparison

Why competitors' barrels cannot be used for AirFree™ dispensing.

Pressure loss destroys repeatability.

No two barrels are the same. The I.D. and lengths of the Fishman barrel are programmed into the LDS9000 software, thus providing the highest repeatability. Using a competitor's barrel will destroy repeatability due to dimensional differences.

The SurLok™ retaining ring is specifically designed for Fishman barrels. Competitors' barrels 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.



FISHMAN®

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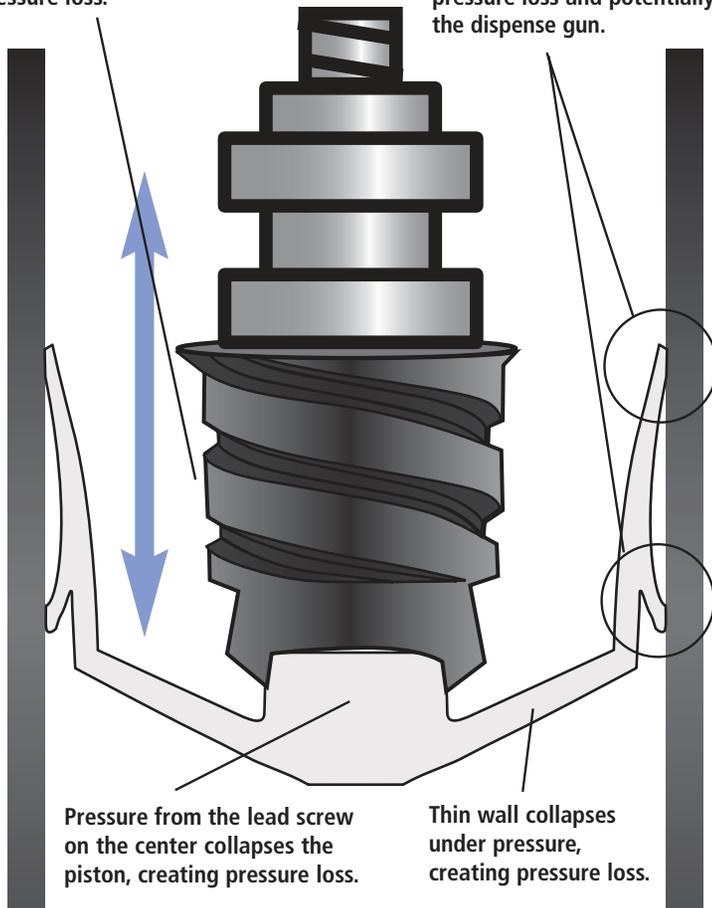
FISHMAN® Piston Comparison

Why competitors' air pistons cannot be used for AirFree™ dispensing.

Pressure loss destroys repeatability.

No interlocking connection between the piston and the drive rod. Piston slips during the dispense, creating pressure loss.

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.



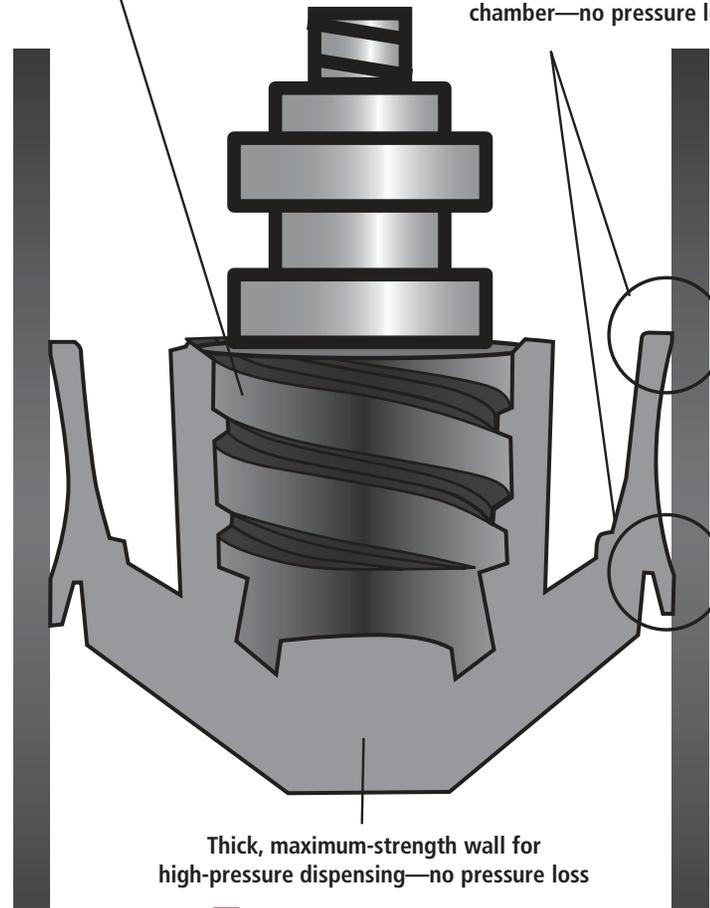
Pressure from the lead screw on the center collapses the piston, creating pressure loss.

Thin wall collapses under pressure, creating pressure loss.

The Competition's air piston

PosiLok™ industrial thread locks the piston to the drive rod guaranteeing no slippage during dispensing—no pressure loss.

Increased interference fit completely seals the chamber—no pressure loss.



Thick, maximum-strength wall for high-pressure dispensing—no pressure loss

The **FISHMAN**® PosiLok™ Piston

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FISHMAN® Comparison

The Result:

Pressure loss destroys repeatability.

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

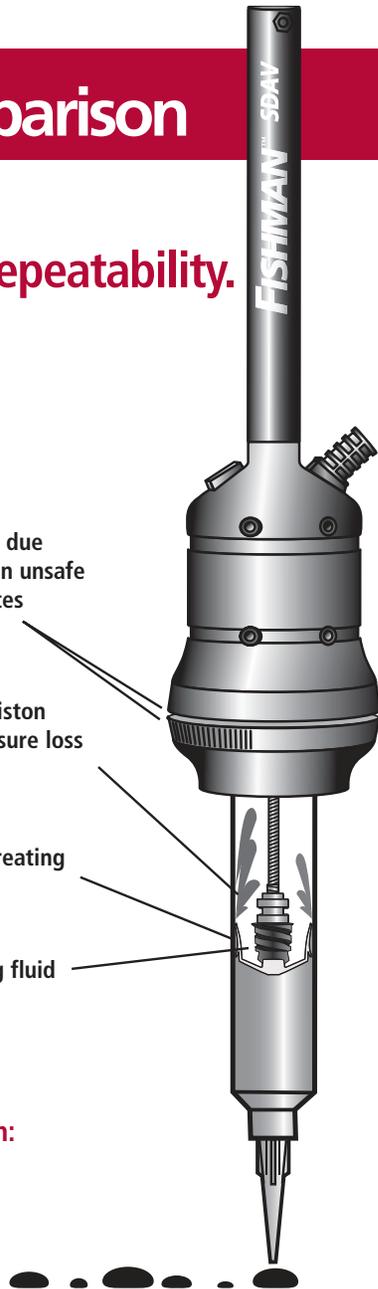
Loose interference fit between barrel and piston allows fluid to flow by piston, creating pressure loss and potential damage to the dispense gun.

Thin wall piston collapses under pressure, creating pressure loss.

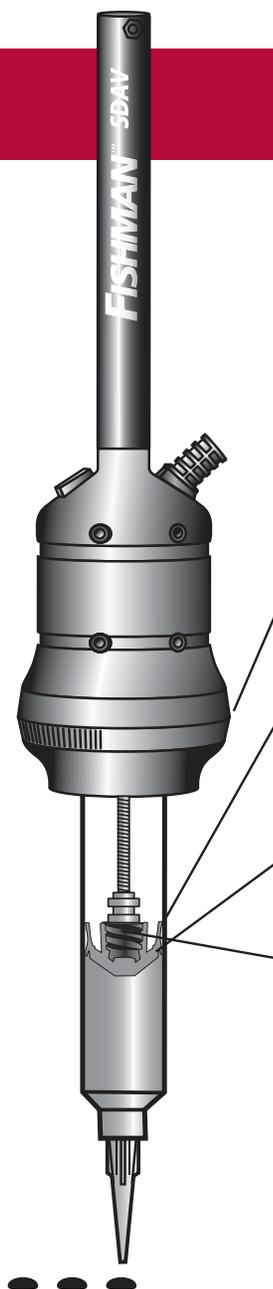
No thread prevents reverse motion, creating fluid ooze during dispensing.

Out of control dispensing resulting in:

- Inconsistent dot sizes
- Fluid waste
- Rejects
- Rework



The Competition's Air Pulse Barrel and Piston



The **FISHMAN** AirFree™ Barrel and Piston

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

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

Thick walled piston withstands pressure, assuring no pressure loss.

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

Highest level of repeatability resulting in:

- Consistent dot sizes
- Fluid savings
- Elimination of rejects
- Elimination of rework

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