

Getting the Best Results from your Fusion® CS Spray Gun

The Graco® Fusion CS is different from any gun you've sprayed before. Since it uses ClearShot™ Liquid to keep the mix chamber clean, you may need to modify some of your spraying and maintenance techniques to achieve the best results.

Some signs that you may need to make adjustments:

- Frequent drilling is needed to keep your Fusion CS mixing chamber clean
- Little or no ClearShot Liquid appears to be consumed
- Too much ClearShot Liquid is being used
- Loss of spray pattern
- Seeing a large cloud of ClearShot Liquid being dispensed from the spray gun

For a better understanding of your new Fusion CS gun, take a moment to review the following spraying tips.

Keep this guide in a safe place for future reference.

PROVEN QUALITY. LEADING TECHNOLOGY.



Fusion CS Tips

This guide is intended as a quick reference.
See Operator's Manual provided with Fusion CS for complete instructions and warnings.

STARTUP

Prime the gun

- Be sure to prime the Fusion CS with ClearShot Liquid before you use the gun.
- To prime, simply trigger the gun, with the safety lock on, until you see ClearShot Liquid misting out of the gun.

NOTE: Whenever the gun is pressurized with fluid, the air valve on the gun should be open (unless you are adjusting variable flow). Failure to leave the air on could result in fluid leakage inside the gun, leading to possible crossover.

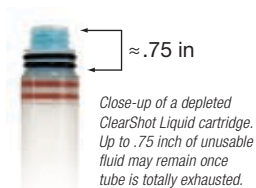
SPRAYING

Check the air pressure

- Regulate gun air pressure to 80 psi to minimize ClearShot Liquid usage.
- If mix chamber plugs, slightly increase air pressure until plugging stops. Do not exceed 130 psi.

Check levels of ClearShot Liquid

- The first sign your ClearShot Liquid Cartridge is empty is a change in spray pattern. In this case, remove the cartridge and check its level; replace if necessary.
- Even though it looks like there is still ClearShot Liquid in the cartridge, this small amount is unusable and will not be dispensed once the piston has traveled the length of the tube and is locked in place.
- The left-over fluid *does not* affect the 1500 shot estimate.



Insert new cartridge and prime the gun

- Always prime the gun before spraying with a newly-replaced cartridge.
- To prime, simply trigger the gun, with the safety on, until you see ClearShot Liquid misting out of the gun.

Results of rapidly triggering Fusion CS

Every time you pull the trigger, the same amount of ClearShot Liquid is dispensed into the gun's purge air stream. Rapidly triggering the gun does not allow the full dose of ClearShot Liquid to discharge. After a series of rapid triggers, a cloud of ClearShot Liquid may be visible once triggering has ceased.

The need for frequent drilling is most likely caused by:

- ClearShot Liquid not being dispensed.
 - Cartridge is empty and needs to be replaced.
 - Dosing system has not been primed.
 - Gun is being over-greased, which can result in the ClearShot Liquid dosing system not performing as expected.
- The outside of the mix chamber has become dirty.
- Air pressure to the gun is too low. Do not set below 80 psi.

SHUTDOWN PROCEDURE (Complete in order)

1. Engage piston safety lock and leave gun air on.
 - Check for Isocyanate (ISO) or resin misting out of the front of the gun.
 - If you see chemical misting, replace side seals or mix chambers.

Note: ISO leakage can harden on the dosing piston, preventing ClearShot Liquid from flowing or causing a crossover condition.
2. Shut off fluid valves.
3. Trigger gun to relieve chemical pressure.
4. Continue triggering until you see ClearShot Liquid misting out of the gun.
5. Grease gun with $\frac{1}{2}$ shot of Fusion grease.
 - **Do not over-grease.** Too much grease will ultimately lead to failure of the ClearShot Liquid dosing system.
 - If gun becomes built-up with grease, it will need to be thoroughly cleaned. You will need to disassemble and clean the air/dosing piston assembly to return the dosing system to the correct operation.
6. Depressurize the fluid lines of the proportioner.
7. Turn off air valve to gun.

See your local Graco Distributor for genuine Graco parts and supplies.

Or call Graco at 877-844-7226.

Ordering Information

Fusion CS Parts and Accessories		256386	ClearShot Liquid Cartridges, pack of 50
257424	Dosing piston with O-rings	256387	ClearShot Liquid Cartridges, pack of 100
257426	Variable flow O-ring Kit, pack of 6	256414	Cover retainer kit, pack of 5
257428	Check valve housing (resin), pack of 10	256415	Front cover, round kit, pack of 5
257427	Check valve housing (ISO), pack of 10	256416	Front cover, tip kit, pack of 5
257420	Check ball, pack of 10	256459	A Side valve kit
257419	Check valve spring, pack of 10	256460	B Side valve kit
257421	Check valve retainer, pack of 10	256461	Fluid head checks kit
256923	Side seal springs, pack of 10	256462	Hose manifold checks kit
117773	Fusion grease (248280, pack of 10)	256463	Side seal housings kit
118665	Fusion lube (248279, pack of 10)	256464	Side seals kit
246357	Gun filter, 40 mesh, pack of 10	256467	Side seal O-rings, pack of 6
246358	Gun filter, 60 mesh, pack of 10	256468	Side seal housing O-rings, pack of 6
246359	Gun filter, 80 mesh, pack of 10	256640	O-ring, fluid head checks kit
256385	ClearShot Liquid Cartridges, pack of 25	256490	Complete O-rings repair kit

■ = Now available as separately-ordered parts

Learn more about Fusion CS

Browse Graco's Product Knowledge Exchange for more helpful hints.

Visit www.graco.com, choose Tech Support and click on "Go to PKE." Search keywords with "Fusion CS."



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