



### Common Spray Gun Problems

Problem	Cause	Solution
Fluid leaking through packing nut	Packing nut loose	Tighten packing nut until fluid stops leaking. If the nut is too tight the needle will bind
	Packing nut is worn or too dry	Lubricate the packing. If this doesn't work, the packing needs to be replaced
Air leaking from front of the gun	Sticking air valve stem	Lubricate
	Foreign matter on air valve or seat	Clean
	Worn or damaged air valve or seat	Replace
	Broken air valve spring	Replace
	Bent valve stem	Replace
	Air valve gasket damaged or missing	Replace
Air escaping from front of gun	Air valve in trigger is stuck, worn or misaligned	Try cleaning & lubricating the stem, if this doesn't work, replace the stem, valve, spring or gasket
Jerky, fluttering spray	<b>SUCTION &amp; PRESSURE FEED</b>	
	Material level too low	Refill
	Container tipped too far	Hold more upright
	Obstruction in fluid passage	Backflush with solvent
	Loose or broken fluid tube or fluid inlet nipple	Tighten or replace
	Loose or damaged fluid tip/seat	Adjust or replace
	Dry or loose fluid needle packaging nut.	Lubricate or tighten
	<b>SUCTION FEED ONLY</b>	
	Material too heavy	Thin or replace
	Container tipped too far	Hold more upright
	Air vent clogged	Clear vent passage
	Loose, damaged or dirty lid	Tighten, replace or clean coupling nut
	Dry or loose fluid needle packing	Lubricate or tighten packing nut

	Fluid tube resting on cup bottom	Tighten or shorten
	Damaged gasket behind fluid tip	Replace gasket
<b>Fluid leaking or dripping from the front of pressure feed gun</b>	Packing nut too tight	Adjust. Loosen until needle moves freely
	Packing worn or dry (Dry Packing)	Lubricate or replace packing
	Fluid needle spring is missing, worn or broken	Replace Fluid needle spring with lapped sets.
	Foreign matter or dried paint & dirt in fluid tip	Clean fluid tip
	Needle and top are mismatched. Wrong size	Replace with correct combination
	Fluid tip and or needle are damaged	Replace defective part
	Fluid tip is loose	Tighten fluid tip
	Needle bound by misaligned spray head. (MBC guns)	Tap spray head perimeter with a wooden mallet. Retighten lock bolt.
<b>Fluid leaking from cup</b>	Dry or worn gasket	Clean or replace fluid gasket
	Cup or lid damaged	Replace defective part
	Insufficient flow	Increase flow
	Clogged fluid hose or stem	Clean or replace
	Fluid tip is too small	Change to larger tip
<b>Gun will not spray</b>	Fluid tip is too small or clogged	Change to larger tip or clean
	There is loss of air pressure in cup or pot	Check gasket for tight seal
	Fluid tip or hose is clogged	Clean fluid tip or hose
	No air or fluid pressure is available	Check airlines, hoses, and compressor
	Fluid too thick to spray	Thin fluid to proper viscosity
<b>Pulsating spray</b>	Material container is low on coating material	Add more coating material
	Packing is loose, dry or worn	Tighten, lubricate or replace packing
	Fluid tip is loose or damaged	Tighten or replace fluid tip
	Fluid tube or hose is blocked	Clean fluid tube or hose
	Material is too thick	Thin material to proper viscosity
	Vent hole in suction – feed cup is blocked	Clean vent hole
	Gun is tipped too far forward	Rotate air cap or fluid tube to face the back of the cup
<b>Cannot form round spray pattern</b>	Fan adjustment not adjusted correctly or broken	Adjust correctly or replace fan adjustment knob
<b>Insufficient air pressure</b>	Filters on compressed air lines are dirty or clogged	Clean or replace filters

	Air hose too small	Install larger diameter hose
	Air hose is too long to maintain sufficient pressure	Shorten hose
<b>Air pressure too high</b>	Regulator is malfunctioning	Clean or replace regulator
<b>Starved spray pattern</b>	Inadequate material flow	Back fluid adjusting screw out to first thread
	Low atomisation air pressure (suction feed)	Increase air pressure and rebalance gun
<b>Dry Spray</b>	Air pressure too high	Decrease air pressure
	Material not properly reduced (suction feed)	Reduce to proper consistency
	Gun tip too far from work surface	Adjust to proper distance
	Gun motion too fast	Slow down
	Fan out of adjustment	Adjust
<b>Excessive overspray</b>	Too much atomisation air pressure	Reduce pressure
	Gun too far from work surface	Adjust to proper distance
	Improper stroking (arcing, gun motion too fast)	Move at moderate pace, parallel to work surface
<b>Excessive fog</b>	Too much, or too fast-drying thinner	Remix properly
	Too much atomization air pressure	Reduce pressure
<b>Will not spray</b>	No pressure at gun	Check air lines
	Fluid pressure too low (with internal mix cap and pressure tank)	Increase fluid pressure at tank
	Fluid tip not open enough	Open fluid adjusting screw
	Fluid too heavy (suction feed)	Reduce fluid or change to pressure feed
	Internal mix cap used with suction feed	Change to external air cap

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