## Sharpe Pattern Troubleshooting

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<th>PROBLEM: IMPROPER SPRAY PATTERN</th>
<th>CAUSE</th>
<th>SOLUTION</th>
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| Fluttering or spitting spray   | Insufficient fluid supply.  
Loose fluid nozzle or damaged fluid nozzle taper seat.  
Dirt between fluid nozzle, taper seat and body.  
Loose or cracked fluid inlet fitting (22).  
Loose fluid tube in cup or tank.  
Dry or worn fluid needle packing or loose packing nut permits air to get into fluid passage (siphon feed). | Adjust fluid regulator or fill fluid supply.  
Tighten fluid nozzle or replace fluid nozzle and needle.  
Clean.  
Tighten or replace fitting.  
Tighten.  
Lubricate or replace packings or tighten packing nut. |
| Fluid build-up on air cap; partially clogged horn holes. Full air pressure from clean horn hole forces fan pattern toward clogged end.  
Damaged fluid nozzle or air cap holes. | Clean with soft implement or submerge in suitable solvent and wipe clean.  
Replace damaged part. |
| Fluid build-up on the perimeter of fluid nozzle orifice, or partially clogged fluid nozzle orifice. | Remove obstruction. Never use wire or hard instruments. |
| Too high atomization air pressure.  
Fluid too thin.  
Not enough fluid pressure. | Reduce air pressure or adjust fan adjusting valve.  
Regulate fluid viscosity.  
Increase fluid pressure. |
| Low atomization air pressure.  
Fluid too thick.  
Too much fluid. | Increase air pressure or adjust fan valve.  
Regulate fluid viscosity.  
On siphon feed guns, reduce fluid flow by adjusting fluid valve.  
On pressure feed guns, reduce fluid pressure. Adjust fluid adjusting valve until proper pattern is obtained. |
| Streaks | Last coat of fluid applied too wet.  
Too much air pressure.  
Insufficient air pressure.  
Non-uniform spray pattern. | Apply drier finish with multiple strokes.  
Use lowest air pressure necessary.  
Increase air pressure.  
Clean or replace air cap. |