

## Diagnostic Help / Troubleshooting Guide

Topic	Explanation	Visual
<b>Bean-shaped spray</b>	<p>The defect comes from the head - Loosen the ring slightly and rotate the head half a turn. If the defect is reversed, one of the side vents is blocked or deformed.</p> <p>Then clean the gun head with solvent and unclog the vents with a spray of compressed air. If this does not reverse, the nozzle is probably damaged.</p>	
<b>Deported spray</b>	<p>This deformation is due to a defect in the central spray. It is necessary to clean the head as described above and the nozzle. Also check:</p> <ul style="list-style-type: none"> <li>• The head is well centered on the nozzle,</li> <li>• The nozzle is not too big (needle and nozzle must be adapted), you work with a sufficient needle opening,</li> <li>• With an almost closed needle, the product supply to the spray is not regular in all directions.</li> </ul>	
<b>Cutted spray</b>	<p>The pressure of the air sprays at the vents is too high for the paint flow:</p> <ul style="list-style-type: none"> <li>• Reduce air at the vents by closing the adjustment needle. The spray is narrower.</li> <li>• Increase paint flow.</li> </ul>	
<b>Spray loaded in the center</b>	<p>Default inverse of the previous one:</p> <ul style="list-style-type: none"> <li>• Either the paint flow rate is excessive for the adopted spraying air pressure - You should increase the spraying air pressure and reduce the paint flow rate.</li> <li>• Either the paint is too thick - You must then dilute it.</li> </ul>	
<b>Jerky product spray</b>	<p>The gun is machine-gunned. The phenomenon is caused by air entering the paint circuit:</p> <ul style="list-style-type: none"> <li>• The container containing the paint may be empty - Refill with paint.</li> <li>• The nozzle is not tightened properly and does not fit properly on its seat - Tighten the nozzle.</li> </ul> <p>If the phenomenon persists, disassemble the nozzle and clean it.</p> <ul style="list-style-type: none"> <li>• Check the nozzle seat and cone for damage, reassemble and secure the nozzle.</li> <li>• Check that the paint is fluid and homogeneous enough to be vacuumed.</li> </ul>	

## Possible symptoms of faults - Causes of faults - Remedies to apply

Defaults	Root causes	Remedies
<ul style="list-style-type: none"> <li>Paint no longer comes out of the gun</li> </ul>	<ul style="list-style-type: none"> <li>Nozzle partially or completely clogged</li> </ul>	<ul style="list-style-type: none"> <li>Disassemble and clean the nozzle with solvent and a smooth brush.</li> <li>Check the condition of the seal.</li> </ul>
<ul style="list-style-type: none"> <li>The spray narrows at pump reversals</li> </ul>	<ul style="list-style-type: none"> <li>Viscosity too high</li> </ul>	<ul style="list-style-type: none"> <li>Dilute the paint.</li> </ul>
<ul style="list-style-type: none"> <li>The head frequently gets dirty</li> </ul>	<ul style="list-style-type: none"> <li>Too much air</li> </ul>	<ul style="list-style-type: none"> <li>Reduce air pressure.</li> </ul>
<ul style="list-style-type: none"> <li>The paint comes through air holes in the head</li> </ul>	<ul style="list-style-type: none"> <li>Defective nozzle seal</li> <li>Insufficiently tight nozzle</li> </ul>	<ul style="list-style-type: none"> <li>Replace it.</li> <li>Tighten it.</li> </ul>
<ul style="list-style-type: none"> <li>Product leakage at the trim level</li> </ul>	<ul style="list-style-type: none"> <li>Worn seal</li> </ul>	<ul style="list-style-type: none"> <li>Tighten the liner press without blocking the needle.</li> <li>If the leak is still present replace the seal and needle.</li> </ul>
<ul style="list-style-type: none"> <li>Product leakage at the front of the gun, trigger released</li> </ul>	<ul style="list-style-type: none"> <li>Impurities in the product</li> <li>Worn out needle or/and worn out nozzle</li> </ul>	<ul style="list-style-type: none"> <li>Pull the trigger 3-4 times and let it go back on its own.</li> <li>Replace the needle and/or nozzle.</li> </ul>
<ul style="list-style-type: none"> <li>Air leakage at the valve</li> </ul>	<ul style="list-style-type: none"> <li>Worn valve</li> </ul>	<ul style="list-style-type: none"> <li>Changing the valve.</li> </ul>
<ul style="list-style-type: none"> <li>Permanent air leakage at the gun head when trigger is released</li> </ul>	<ul style="list-style-type: none"> <li>Rubbing on the needle</li> <li>Worn valve</li> </ul>	<ul style="list-style-type: none"> <li>Remove the trigger and check that the needle slides freely.</li> <li>Replace the valve.</li> </ul>

PLEASE NOTE: Before any action is taken on the gun, please shut off the compressed air supply and depressurize the systems by triggering the gun.

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