

There are thousands of different spray nozzles to choose from. If the incorrect nozzle is chosen for your application then problems could arise. Furthermore, nozzles can develop problems under normal use. Below is a list of some of the more common problems which can arise.

	<p>Corrosion The nozzle degrades due to chemical reactions between the nozzle material and the chemicals in the process.</p>	
	<p>Temperature If nozzles are subjected to temperatures greater than recommended then physical damage can occur.</p>	
	<p>Erosion/Wear As fluid passes through the orifice and internal passages of the nozzle the critical surfaces can become worn, thereby creating a poor spray.</p>	
	<p>Clogging Many chemical compounds and particles larger than the maximum free passage of the nozzle will clog the nozzle.</p>	
	<p>Caking Many chemicals will slowly build up on the nozzle surfaces and restrict the flow or otherwise prevent correct operation and performance.</p>	
	<p>Mechanical Damage Cross threading, over tightening, and stripping the hex are just some examples of ways a spray nozzle can be damaged. Spray nozzles in this condition will usually need replacing.</p>	
	<p>Incorrect Assembly Care must be taken when reassembling a nozzle. Internal components must be installed correctly or the result will be an bad spray.</p>	
	<p>Low Flow Rate If the flow rate is lower than expected then make sure that there are no significant pressure losses between the pump and the nozzle. Measuring pressure right at the nozzle is the most accurate method.</p>	