

<b>TROUBLESHOOTING COMPRESSED AIR SYSTEMS</b>		
<b>Problem</b>	<b>Probable Cause</b>	<b>Remedial Action</b>
<b>Low pressure at point of use</b>	Leaks in distribution piping	Check lines, connections and valves for leaks
	Clogged filter elements	Clean or replace filter elements
	Fouled dryer heat exchanger	Clean heat exchanger
	Low pressure at compressor discharge	See below
<b>Low pressure at compressor discharge</b>	For systems with modulating load controls, improper adjustment of air capacity system	Follow manufacturer's recommendation for adjustment of air capacity system
	Worn or broken valves	Check valves and repair or replace as required
	Improper air pressure switch setting	Follow manufacturer's recommendations for setting air pressure switch
<b>Water in lines</b>	Failed condensate traps	Clean, repair, or replace the trap
	Failed or undersized compressed air dryer	Repair or replace dryer
<b>Liquid oil in air lines</b>	Faulty air/oil separation	Check air/oil separation system; change separator element
	Compressor oil level too high	Follow manufacturer's recommendation for proper oil level
<b>Dirt, rust or scale in air lines</b>	In the absence of liquid water, normal aging of the air lines	Install filters at point of use
<b>Excessive service to load/hour ratio</b>	System idling too much	For multiple compressor system: consider sequencing controls to minimize compressor idle time
		Adjust idle time according to manufacturer's recommendations
	Improper pressure switch setting	Readjust according to manufacturer's recommendations
<b>Elevated compressor temperature</b>	Restricted air flow	Clean cooler exterior and check inlet filter mats
	Restricted water flow	Check water flow, pressure, and quality; clean heat exchanger as needed
	Low oil level	Check compressor oil level, add oil as required
	Restricted oil flow	Remove restriction, replace parts as required
	Excessive ambient temperature	Improper ventilation to compressor; check with manufacturer to determine maximum operating temperature