

TROUBLE SHOOTING GUIDE

PROBLEM	PROBABLE CAUSE	SOLUTION
<p>POOR DEWPOINT PERFORMANCE</p>	Low pressure on desiccant dryer.	<p>Dryer is set to operate at 70 to 100 psig. Re-set regulator on DAP Air Maintenance Device to hold back pressure on dryer side to normal settings.</p> <p>Check to see that Air Maintenance Device bypass valve has not been opened.</p> <p>Check compressor output to ensure compressor is running normally.</p> <p>Check no leaks have developed in DAP system such as drain valve sticking open, filter drain valves sticking open, etc.</p>
	Excessive water &/or oil in dryer.	Check coalescing filter & automatic drain operation.
	Low purge flow.	Check purge pressure setting.
	Desiccant contamination.	<p>Check compressor intake is not in an area where chemicals can be drawn into the intake filter with air.</p> <p>Check when the last time the desiccant was changed.</p> <p>Recommended frequency of change, 1 to 2yrs.</p> <p>Check condition of coalescing filter element and drain.</p>
<p>EXCESSIVE PRESSURE DROP</p>	High inlet temperature to dryer.	
	Low inlet pressure.	See alternatives above.
	Switching valve failure.	Check tower-operating sequence to verify and identify which valves are operating.

	Desiccant breakdown.	Change desiccant.
EXCESSIVE PRESSURE DROP (continued)	Clogged filters.	Change filter elements.
	Valve shut.	Open valve.
SWITCHOVER FAILURE	Electric power loss.	Turn dryer off; check connections to cam timer and inlet to unit.
	Solenoid valve failure.	Check valve operating sequence. Replace valve.
REPRESSURIZATION FAILURE OR PURGE FAILURE/TOWER BACKPRESSURE	Purge flow control valve orifice clogged.	Clean or replace.
	Failed check valve.	Replace.
	Purge exhaust solenoid valve failure.	Turn dryer off, check connections to cam timer, inspect valve and solenoid, replace if necessary.
	Purge exhaust muffler clogged.	Clean or replace.

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