

## Planners Check List and Troubleshooting Guide for Failure Modes in Cyclonic Dust Collection System

	Clearance Improperly Set	Density and size distribution of dust to high	Density and size distribution of dust to low	Capacity is exceeded by dust loading	High Air Moisture	Lack of precision in Drive set up	Improper Lubrication	Inlet Air Velocity to High	Inlet Air Velocity to Low	Wear on Internal parts	Wrong material in incoming air	Fan or Blower not working correctly	Rotary Air lock turning slow	Plug in or debris in rotary valve	Bad Bearing
Rotary Airlock Leaking	<b>X</b>									<b>X</b>					
Fan has high vibration		<b>X</b>		<b>X</b>		<b>X</b>	<b>X</b>			<b>X</b>		<b>X</b>			<b>X</b>
High Differential Pressure		<b>X</b>		<b>X</b>				<b>X</b>				<b>X</b>			
Low Differential Pressure									<b>X</b>			<b>X</b>			
Rotary Valve does not Rotate		<b>X</b>		<b>X</b>		<b>X</b>	<b>X</b>				<b>X</b>			<b>X</b>	
Cyclone Plugs in main Body	<b>X</b>	<b>X</b>		<b>X</b>							<b>X</b>		<b>X</b>		
Cyclone Plugs at inlet					<b>X</b>				<b>X</b>						
Puffing at cyclone leading to emissions			<b>X</b>	<b>X</b>					<b>X</b>			<b>X</b>	<b>X</b>		
Continuous release of emissions from the cyclone			<b>X</b>	<b>X</b>					<b>X</b>			<b>X</b>	<b>X</b>		