### System Saver 1200 Plus Series Air Dryers

**COMPRESSOR**

- **INTAKE LINE**
- **SIGNAL LINE**
- **DISCHARGE LINE**
- **CHECK VALVE**
- **SUPPLY TANK**
- **SYSTEM RESERVOIR**

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**CONDITION** | **POSSIBLE CAUSE** | **SOLUTION**
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Air dryer purges too often, perhaps as frequently as every 15 seconds, accompanied by excessive cycling of the compressor. | Check the air compressor to dryer port 4 line for leaks. Repair or replace line. | Replace the turbo cut-off valve if damaged components found. Replace with the WABCO replacement cartridge. Verify minimum 10 seconds of air flow out of the purge valve after the purge. |
Air leak at turbo cut-off valve seat. | Turbo cut-off valve damaged or malfunctioning. | Inspect compressor for oil passage per manufacturer's instructions. Replace cartridge with coalescing cartridge. |
Air dryer operates in system. | Air system leaks, such as compressor discharge line, air dryer, reservoirs, brake and suspension valves. | Verify all OE bulletins are performed i.e. compressor discharge line kit. Replace cartridge with WABCO replacement cartridge. Verify minimum 10 seconds of air flow out of the purge valve after the purge. |
Air governor malfunctioning. | One possible source may be a malfunctioning governor. Replace as needed. | Replace the turbo cut-off valve if damaged components found. Replace with the WABCO replacement cartridge. Verify minimum 10 seconds of air flow out of the purge valve after the purge. |
Air compressor malfunctioning. | When compressor fails to 1-3, test compressor outlet according to manufacturer's guidelines. Replace as needed. | Replace with WABCO replacement cartridge. Verify minimum 10 seconds of air flow out of the purge valve after the purge. |
Oil or sludge in air system tanks. | Desiccant contaminated with oil. | Replace the turbo cut-off valve if damaged components found. Replace with the WABCO replacement cartridge. Verify minimum 10 seconds of air flow out of the purge valve after the purge. |
Water in system tank. | Water in system tank. | If water is found, check the condenser for leaks and repair as needed. |
System leaks. | System leaks. | If the dryer is not equipped with a turbo cut-off valve, the system is operating correctly. |
Air governor may be malfunctioning. | If you hear strange noises, correct the valve operation condition (see Application Guide TP-5912, Ch 3). Check the governor for damage. Replace the turbo cut-off valve if damaged components found. Replace with the WABCO replacement cartridge. |
The purge valve may be contaminated. | Possible leaks can be the turbo cut-off valve. Replace as needed. |
The purge valve may be damaged or out of position. | Inspect the purge valve seal and replace as needed. |
Compressor discharge line. | Compressor discharge line leaking. | Inspect compressor for oil passage per manufacturer's instructions. Replace cartridge with coalescing cartridge. |
System reservoir. | System reservoir. | Replace the turbo cut-off valve if damaged components found. Replace with the WABCO replacement cartridge. Verify minimum 10 seconds of air flow out of the purge valve after the purge. |
Dryer inlet air temperature is too high. | Dryer inlet air temperature too high. | If the dryer is not equipped with a turbo cut-off valve, the system is operating correctly. |
Air dryer frozen (water collecting in base of dryer is freezing). | Verify power and ground to heater with ignition on repair circuit as needed. |
Air leak at turbo cut-off valve seat. | Turbo cut-off valve damaged or malfunctioning. | Inspect the purge valve for damage and repair as needed. |
Air system leaks. | Air system leaks, such as compressor discharge line, air dryer, reservoirs, brake and suspension valves. | Replace the turbo cut-off valve if damaged components found. Replace with the WABCO replacement cartridge. Verify minimum 10 seconds of air flow out of the purge valve after the purge. |
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