

# Maintenance checklist – compressed air

Carry out the maintenance checks below on your compressor, treatment system and compressed air system.

**Figure 1** A typical air compressor system

**Check compressor:**

- Oil level.
- Temperatures.
- Filters.
- Drive belts.
- Coolers.

**Check treatment system:**

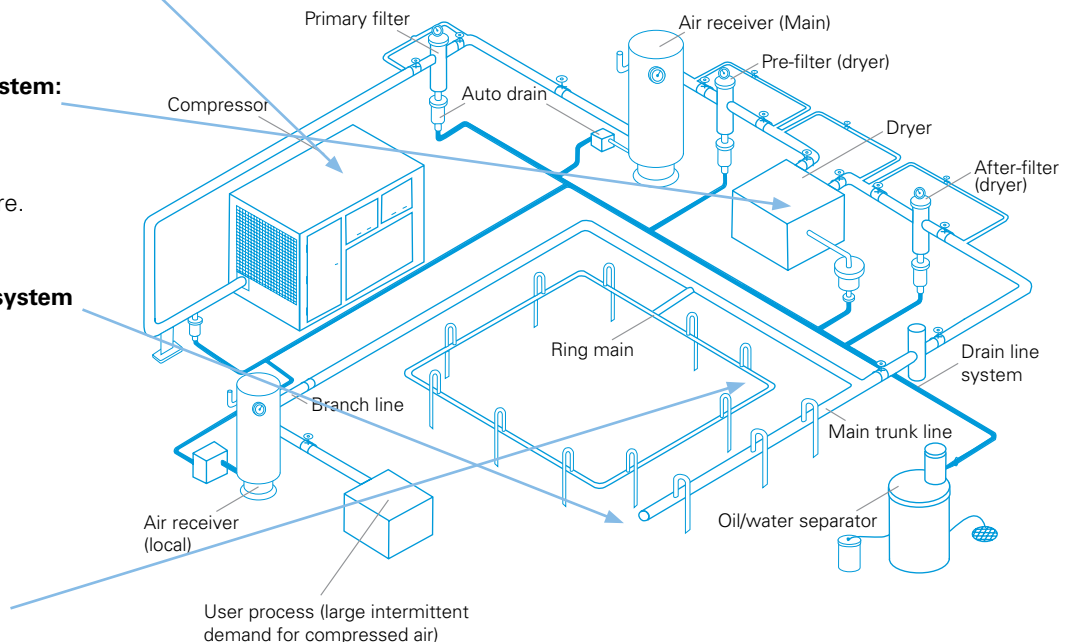
- Pressure drops.
- Dewpoint.
- Refrigerant pressure.
- Drain traps.

**Check distribution system**

- Pressure.
- Leaks.
- Lubrication.
- Filters.
- Drains.
- Valves.

**Check point of use**

- Pressure.
- Air quality.
- Leaks.



Maintenance musts	Complete Y/N	Action/comment
<b>Compressor</b>		
1. Have a lubrication regime. This regime should include greasing motors, oil top-up of sump and oil replacement at scheduled hours.	<input type="checkbox"/>	
2. Check and replace air inlet and oil filters.		
3. Regularly check the condition and tension of drive belts where fitted.	<input type="checkbox"/>	
4. Clean air and oil coolers and keep package face screens free of dirt and debris.	<input type="checkbox"/>	
5. Check operating temperatures and pressures.	<input type="checkbox"/>	
<b>Treatment system</b>		
1. Ensure filter pressure loss kept to minimum and change at recommended intervals.	<input type="checkbox"/>	
2. Check pressure dewpoint.	<input type="checkbox"/>	
3. Ensure gas pressure correct on refrigerated dryers.	<input type="checkbox"/>	
4. Change desiccant at recommended intervals on desiccant dryers.	<input type="checkbox"/>	
5. Check all drain traps working correctly using test buttons on electronic systems and manual by-pass valve.	<input type="checkbox"/>	
* Check room ventilation to ensure all items are as cool as possible.	<input type="checkbox"/>	
<b>Compressed air system</b>		
1. Check for leaks or damage on a minimum three monthly basis.	<input type="checkbox"/>	
2. Ensure oil levels are correct on airline lubricators.	<input type="checkbox"/>	
3. Check and replace point of use filters.	<input type="checkbox"/>	
4. Check the operation of production machine isolation valves.	<input type="checkbox"/>	
5. Check distribution system condensate traps and ensure that manually operated ones have not been left open.	<input type="checkbox"/>	