



Air Receiver Standards

Technical Information Bulletin - #8

This technical bulletin is designed to provide more information about your air receiver and the compulsory standards associated with its installation and inspections.

Air receiver installation and inspection requirements

Pressure vessels used in the workplace can be potentially dangerous, with the risk of failure and explosion causing property damage, injury and even fatality if not suitably maintained. It is therefore essential to properly install, service and inspect compressed air receivers, ensuring that all equipment complies with the relevant Australian Standards and WorkSafe WA regulations.

Australian Standards and WorkSafe WA legislation requirements

Australian Standards and WorkSafe WA regulations exist to ensure workplace plant and equipment is safe, ensuring the safety of people in that area. The two major standards which apply to air receivers include:

Australian Standard 3788:2024: Pressure Equipment – In service inspection

This Standard specifies the minimum requirement for in-service inspection and fitness for service of pressure and associated equipment. This includes repairs, modifications, alterations and re-rating of new and used equipment, manufactured anywhere, to any recognised standard, for all stages of pressure equipment life from commissioning until disposal.

Australian Standard 4343:2014: Pressure Equipment – Hazard levels; WA Work Health and Safety (General) Regulations 2022

Pressure vessels and equipment are rated from A through to E, with A being the most hazardous and E the least hazardous. These hazard levels are calculated using AS 4343:2014, which provides a uniform, practical, generic system for assessing the level of hazard associated with various pressure equipment. Hazard levels are based on the potential consequences of equipment failure, including the pressure, temperature, volume, fluid contents, and usage context.



Does your air receiver require registration and regular inspection?

Pressure vessels categorised as hazard level A, B or C require registration and two-yearly inspections. For air receivers, a hazard level B or C applies to most shop-fabricated vessels. Only small air receivers are exempt from registration, such as those with a pV less than 100 MPa.L.

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What's involved in a receiver registration and inspection?

As part of the installation and ongoing maintenance of your air receiver, and to comply with Australian Standards and WorkSafe WA regulations, the following elements should be included in your initial registration and ongoing inspections:

Registration and Commissioning Inspection*

- Air receiver inspection
- External condition report
- Vibration, leakage, supports, welds, associated pipe work
- Safety valve inspection/readability
- Pressure gauge inspection/readability
- Drain valve (operation) check
- Isolation valve (operation) check
- Receiver mountings
- Location on premises
- Internal condition report
- Thickness check (if required)

**One time only charge*

Inspection*

- Air receiver inspection
- External condition report
- Internal condition report (every four years)
- Vibration, leakage, supports, welds, associated pipe work
- Safety valve inspection/readability
- Pressure gauge inspection/readability
- Drain valve (operation) check
- Isolation valve (operation) check
- Receiver mountings
- Location on premises
- Internal condition report
- Ultrasonic thickness testing

** Carried out every two years*

Ongoing maintenance and servicing of your compressed air system is essential

Regardless of the size of your receiver and whether it requires regular inspection in accordance with Australian Standards 3788:2024 and 4343:2014, these standards also note that even low-risk pressure equipment and control equipment should be maintained in a fit and safe condition for service, including regular operating surveillance.

Essentially, this means scheduling regular services for your compressed air system in line with manufacturer recommendations.

More information

We have a team of technicians qualified to perform compressed air receiver inspections and registrations to meet Australian Standards and WorkSafe WA requirements. During your receiver inspection, your technician will conduct a thorough assessment of your air receiver, offering solutions that ensure equipment durability and safety.

To schedule your air receiver inspection, call our service team on 1300 290 638 or email info@nesscopressure.com.au.

