

Plant – **Designated plant**

12.02.01

# What is designated plant? >

**Some items of high hazard plant are classified as designated plant. These items of plant are required to be periodically inspected by designated plant inspectors. A list of designated plant inspectors is provided in NT WorkSafe information bulletin [12.02.02](#).**

**Plant registration and inspection**

Items of plant that are classified as designated plant are listed in Schedule 1 of the [Workplace Health and Safety Regulations](#). This list has been tabulated below as a quick reference to help in identifying whether plant at your workplace is designated plant and requires registration of design and / or plant item registration and inspection.

Plant requiring Registration of Design
Pressure equipment other than pressure piping, and categorised as hazard level A, B, C or D according to the criteria identified in <a href="#">AS 3920.1</a> also refer to <a href="#">AS 4343</a>
Gas cylinders covered by <a href="#">AS 2030</a>
Tower cranes
Mobile cranes with a safe working load greater than 10 tonnes
Gantry cranes with a safe working load greater than 5 tonnes or bridg cranes with a safe working load greater than 10 tonnes, or any gantry crane or bridge crane which is designed to handle molten metal or dangerous goods
Vehicle hoists
Boom type elevating work platforms
Building maintenance units
Hoists with a platform movement in excess of 2.4 metres, designed to lift people
Mast climbing work platforms
All lifts, escalators and moving walks including Personnel & Material Hoists
Amusement structures covered by <a href="#">AS 3533</a> , with the exception of class 1 structures
Pre-fabricated scaffolding
Work boxes suspended from cranes (only if carrying people)
Truck Mounted Concrete Placing Units - pursuant to Regulation 95 (2)(a)

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## Pressure vessel

Some of the more common types of pressure vessels are air receivers and sterilizers (with quick-actuating closures).

### **Air receivers**

If, for example, an air receiver operates at a pressure of 700 kPa (100 psi):

- the design must be registered when the internal volume is greater than 43 litres; and
- the plant must be registered and inspected when the internal volume is greater than 214 litres

### **Sterilizers (autoclaves)**

Many sterilizers operate at a pressure of about 250 kPa (36psi). When this is the case:

- the design must be registered when the internal volume is greater than 13 litres; and
- the plant must be registered and inspected when the internal volume is greater than 60 litres

For other types of pressure equipment, reference will need to be made to Australian Standard [AS 4343](#) to determine whether registration or inspection is required.

Plant requiring Plant Item Registration and Inspection by an Inspector of Designated Plant
Boilers categorised as hazard level A, B or C according to the criteria identified in <a href="#">AS 3920.1</a>
Pressure vessels categorised as hazard level A, B, or C according to the criteria identified in <a href="#">AS 3920.1</a> , other than <ul style="list-style-type: none"><li>(a) gas cylinders covered by AS 2030, and</li><li>(b) LP gas fuel vessels for automotive use covered by AS 3509 and</li><li>(c) serially produced vessels for automotive use covered by AS 3509 and</li><li>(d) serially produced vessels covered by <a href="#">AS 2971</a>.</li></ul> Also refer to <a href="#">AS 4343</a> for Hazard Levels
Tower cranes
Mobile cranes with a safe working load greater than 10 tonnes
Vehicle hoists
Building maintenance units
Truck-mounted concrete placing units with booms
All lifts, escalators and moving walks including Personnel & Material Hoists
Amusement structures covered by <a href="#">AS 3533</a> , with the exception of class 1 structures

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