

# SS9 – Mechanical Ventilation or Air Conditioning System

## Specified System Description

### System Status

New

Modified

Removed

### System Type

Ducted Ventilation or Air Conditioning System

Toilet Extract System Servicing Multiple Facilities

Commercial Kitchen Extract Rangehood

Spray Booth Ventilation System

Air-Handling System that maintains a differential Air Pressure in a Hospital Operating Theatre, Medical Isolation Room, Quarantine Facility or Pharmaceutical Manufacturing Plant

Cooling-Water System incorporating one or more Cooling Towers or Evaporative Condensers

Air-Handling System required to function in Smoke Management or Smoke Clearance Mode during a Fire

System incorporating one or more Solid Liquid or Gas Fired Boilers

System Containing Electric Heating Elements mounted in Air Handling Units or Ducts located outside the occupied space

Mechanical Fresh Air Supply and Extract Air System

Dust/Fume/Hazardous Atmosphere Extract System

Other: (specify)

### System Interfacing

SS 1

SS 2

SS13

Other (*specify*):

Not applicable

## Standards

### Performance / Installation Standards

AS 1668.2:2012 The use of ventilation and air-conditioning in buildings - Part 2: Mechanical ventilation in buildings (Amendment 2, 2016).

AS 1668.2:2012 The use of ventilation and air-conditioning in buildings - Part 2: Mechanical ventilation in buildings (Amendment 1, 2013).

AS 1668.2:2002 The use of ventilation and air-conditioning in buildings. Part 2: Ventilation design for indoor-air contamination control. (Amendment 2, 2003).

AS 1668.2:2002 The use of ventilation and air-conditioning in buildings. Part 2: Ventilation design for indoor-air contamination control. (Amendment 1, 2002).

NZS 4303:1990 Ventilation for acceptable indoor air quality.

AS/NZS 1668.1:2015 The use of ventilation and air-conditioning in buildings - Part 1: Fire and smoke control in buildings

AS/NZS 1668.1:1998 The use of ventilation and air conditioning in buildings - Fire and smoke control in multi-compartment buildings

AS/NZS 3666.1:2011 Air-handling and water systems of buildings - Part 1: Microbial Control - Design, installation and commissioning

AS/NZS 4114:2020 Spray painting booths, designated spray painting areas and paint mixing rooms

AS/NZS 4114:2003 Spray painting booths, designated spray-painting areas and paint mixing rooms.

- Part 1: Design, construction and testing.
- Part 2: Installation and maintenance.

Specifically designed solution prepared by a person who, on the basis of experience and qualifications, is competent to do so. (Details provided)

Other: *(specify)*

### Inspection Standards

AS 1851:2012 (Amendment 1, 2016) – Section 13 and Appendix D.

AS 1851:2012 – Section 13 and Appendix D.

AS 1851:2005 (Amendment 2, 2008) – Section 18.

AS 1851:2005 (Amendment 1, 2006) – Section 18.

AS 1851:2005 – Section 18.

AS/NZS 3666.2:2011.

AS/NZS 4114:2020 – Section 2 and 4.

AS/NZS 4114.1:2003 - Section 7 and AS/NZS 4114.2:2003 Appendix B.

Specifically designed solution prepared by a person who, on the basis of experience and qualifications, is competent to do so. (Details provided)

Other: *(specify)*

## **Maintenance Standards**

AS 1851:2012 (Amendment 1, 2016) – Section 13 and Appendix D.

AS 1851:2012 – Section 13 and Appendix D.

AS 1851:2005 (Amendment 2, 2008) – Section 18.

AS 1851:2005 (Amendment 1, 2006) – Section 18.

AS 1851:2005 – Section 18.

AS/NZS 3666.2:2011.

AS/NZS 4114:2020 – Section 2 and 4.

AS/NZS 4114.2:2003 – Section 2 and Appendix B.

Specifically designed solution prepared by a person who, on the basis of experience and qualifications, is competent to do so *(Details provided)*

Other: *(specify)*

## **Inspections, Maintenance and Reporting**

### **Minimum Inspection and Maintenance Procedures**

Regular inspection, testing, planned preventative maintenance and responsive maintenance will be carried out in accordance with the nominated performance and inspection standard/document to ensure effective operation and preservation of any inbuilt safety features.

## Inspection and Maintenance - Frequency and Responsibility

Depending on the type of installation and its performance standard:

Monthly and Annually: by IQP

Standard / Other document: *(specify)*

## Inspections and Maintenance for Interfaced Systems

Annual Inspection: by IQP

The system is connected to other specified systems, therefore testing of the interface between the two systems will be carried out annually.

The system is NOT connected to other specified systems.

## Reporting:

The owner will keep records of all inspections, maintenance and repairs undertaken in the previous 24 months. These will be recorded in the On-Site Log Book, which will remain on the premises with the most recent compliance schedule, and as a minimum include:

- Details of any inspection, test or preventative maintenance carried out including dates, works undertaken, faults found, remedies applied and the name of the person who performed the work.
- Form 12A provided annually by the IQP.