

Biological Safety Cabinet

| Last Issue Date: 09/10/2020 | | Type Of Service | | | | |
|-----------------------------|--|-----------------|---|---|---|---|
| | | A | B | C | D | E |
| Activity | | | | | | |
| 1 | Undertake a visual inspection of the cabinet. Check there is no external damage to the panels or the hinges or the door catches. | | | | Y | |
| 2 | Check the hazard warning signs are in good condition, are clearly visible on the front surface of the cabinet and not affixed to movable surfaces such as observation windows. | | | | Y | |
| 3 | Check the power supply connections. | | | Y | Y | |
| 4 | Check that the exhaust air outlet is free from obstructions. | | | Y | Y | |
| 5 | Check the viewing window is firmly closed and that the work access opening is free from obstructions. | | | Y | Y | |
| 6 | Switch on the cabinet and check: a) blower operation. b) audible alarm operation. c) manometers to ensure the static pressure across the pre filters and HEPA filters are within operating range. d) fluorescent lamp operation. e) any services, where fitted. f) removable rear grille for obstructions where fitted. | | | Y | Y | |
| 7 | Replace any non-chargeable batteries. | | | Y | Y | |
| 8 | Check the condition and operation of filters, especially for: a) Cleanliness. b) Pressure drop across media. c) Obstructions. d) Damage or deterioration. Check the filters and seals between the filter units, especially for leakage. Check the condition of the filter frames and frame supports for signs of damage or deterioration. | | Y | Y | Y | |
| 9 | Complete a periodic critical performance testing in accordance with AS2252.2 including the following: a) filter installation integrity. b) containment at the aperture. c) work zone integrity. d) air velocity and uniformity in the work zone. e) alarm operation. Note: AS2243.3 requires cabinets to be decontaminated prior to testing if cabinets having been used for Risk Groups 2, 3 or 4 hazardous materials, as defined therein. Note testing is also required: - on site prior to use. - following any change in position or function. - following any mechanical or electrical maintenance. | | | | Y | |
| 10 | If required, test the 'gas tightness' of the outer shell in accordance with AS1807.25. | | | | Y | |

Disclaimer -This TDS is intended to provide guidance only to support Preventative Maintenance servicing activities. All TDS users are encouraged to read and understand the full [Conditions of Use](#) provided on the final page of this document and on the DPTI website.

For more information please contact the applicable Facilities Management Service Provider.



Government of South Australia
Department of Planning,
Transport and Infrastructure

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| Activity | | | | | | |
| | This activity only has to be done: upon initial installation; after containment panels have been removed; and after relocation of the cabinet. | | | | | |
| 11 | Record all critical performance test results in the test certificate affixed to the cabinet. | | | | Y | |
| 12 | Record the results in the logbook and submit a customer service report to the FMSP. | | Y | Y | Y | |

Special Comments and Technical Data

B SERVICE MONTHLY
 C SERVICE 6 MONTHLY
 D SERVICE ANNUALLY

SERVICE FREQUENCIES AND ACTIVITIES MAY VARY DEPENDING ON SITE CONDITIONS AND MANUFACTURER'S RECOMMENDATIONS WHICH MUST BE FOLLOWED.

THIS TDS INCLUDES SERVICING ACTIVITIES FOR AIR FILTERS - AN AIR FILTER TDS (ME30) DOES NOT NEED TO BE SCHEDULED IN CONJUNCTION.

A SPECIALIST SUB-CONTRACTOR IS REQUIRED FOR THIS SERVICE.

APPLICABLE LEGISLATION AND STANDARDS: PUBLIC HEALTH ACT, AS2243.3, AS2252.2, AS1807.5, AS1807.6, AS1807.7, AS1807.25, AS3666.2.

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