

Medical Gas Manifolds

Last Issue Date: 02/10/2020		Type Of Service				
Activity		A	B	C	D	E
1	Check the manifold of each gas for excessive frosting, condensation, leaks and faults.	Y	Y	Y	Y	
2	Check the manifold automatic changeover system is working.	Y	Y	Y	Y	
3	Change over the cylinders where necessary.	Y	Y	Y	Y	
4	Check the manifolds and regulators for correct operation, ensure changeover valves operate freely and pressure gauges are registering correctly.			Y	Y	
5	Check the gas alarm panel is operating correctly with alarm indicators and audible tone operation.		Y	Y	Y	
6	Check the pipework, fittings & cylinders including: a) flexible connections for any signs of damage or deterioration. b) security of fixings and connections. c) any gas leakages using the appropriate detectors. d) test non-return valves of cylinder extension leads (pigtailes) for proper closure. e) inspect cylinder / pack extension leads for flexibility, metal fatigue and thread damage to cylinder / pack connections. Note 1: All damaged leads shall be replaced immediately. Note 2: Copper connections leads shall be carefully inspected for 'work hardening' and where affected the leads shall be re-annealed.			Y	Y	
7	Check the supply and line pressures and ensure emergency supplies operate at specified set points.			Y	Y	
8	Check the operation of the control panel and all safety valves.			Y	Y	
9	Check the shut-off solenoids for correct operation.			Y	Y	
10	Check the isolation valves for freedom of operation.				Y	
11	Check the filter units (where present) for excessive pressure drop.				Y	
12	Recondition the manifolds and change over assembly.				Y	
13	Test a sample of medical air from terminal unit to AS2568.				Y	
14	Check the pressure switches for leaks and operation.				Y	
15	Calibrate the alarm pressure switches.				Y	
16	Record the results in the logbook and submit a customer service report to the FMSP.	Y	Y	Y	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

Download Date: 22/12/2020

Special Comments and Technical Data

- A SERVICE WEEKLY (BY SITE).
- B SERVICE MONTHLY (INCLUDE ONLY IF REQUIRED BY SITE).
- C SERVICE 6 MONTHLY.
- D SERVICE ANNUAL.

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

A SPECIALIST SUB-CONTRACTOR IS REQUIRED FOR THIS SERVICE.

APPLICABLE LEGISLATION AND STANDARDS: PUBLIC HEALTH ACT, WH&S REGULATIONS, AS2568, AS2896.

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

Download Date: 22/12/2020

2 of 3

Conditions of Use

A TDS should be used as a generic guide for Facilities Management Service Providers (FMSP) to deliver Facilities Maintenance Services, specifically Preventative Maintenance in accordance with the DPTI [Agency Work Procedure Manual](#).

Users of a TDS should familiarise themselves with the following **Conditions of Use**:

1. You use the information and data contained in any TDS published by DPTI at your sole risk. DPTI-AGFMA does not have the expertise to provide complete or accurate technical data schedules and provides these technical data sheets merely as a starting point and/or guide.
2. If you rely on the information in a TDS you are responsible for ensuring, by independent verification, its accuracy, currency and completeness. DPTI cannot guarantee that the information contained in a TDS meets the standards or requirements of legislative requirements.
3. A TDS is not an exhaustive list of tasks or obligations that may be required and is generally generic in nature. DPTI does not oblige the user of a TDS to rely on it to the exclusion of other sources of information. For example, manufacturer's requirements may need to be followed for additional and / or alternative tasks and for additional and / or alternative servicing frequencies. You should always check the primary source of information such as the Australian Standards, manufacturer's specifications, legislation and other standards before undertaking any work to which a schedule may apply.
4. You must apply appropriate risk management principles and carry out all tasks in accordance with obligations under the [Work Health and Safety Act 2012](#).
5. You must not use a TDS unless you meet the specific competency requirements for preventative maintenance servicing works and are capable of applying the TDS to your trade or area of expertise. A TDS is only to be used by people who are specifically instructed by DPTI to use them and only for work undertaken in South Australia.
6. DPTI, its agents, instrumentalities, officers and employees make no representations, express or implied, as to the accuracy of the information, the data contained in a TDS or the suitability of a TDS for a particular purpose.
7. DPTI does not provide legal advice. DPTI accepts no liability, howsoever arising, for any loss resulting from the use of a TDS and any information or data or reliance placed on them.
8. DPTI may change information and data in a TDS without notice.
9. DPTI may revise this disclaimer at any time by updating these Conditions of Use.