

Equipment Care as specified in AS 4839-2001 "The Safe use of Portable and Mobile Oxy-Fuel Systems for Welding, Cutting, Heating and Allied Processes".

Equipment	Maintenance		
	Weekly (if in constant use) or before every use (to be performed by the operator)	As Nominated (to be carried out by a technically competent person)	Refurbishment or replacement intervals (equipment condition determines whether refurbishment or replacement is required.)
1. Regulators (including their integral protective devices)	According to the manufacturer's instructions including visual examination to determine suitability for service (eg gas, pressure rating, damage); condition of threads and sealing surfaces; and oil and grease contamination. Leak test all joints at working pressure.	Six monthly: Functional test to ensure the correct operation of internal components.	Manufacturer or supplier recommendation, but not exceeding five years **
2. Flashback Arrestors and other external devices (including non-return valves)	Visual examination to determine suitability for service (eg gas, pressure rating, damage); condition of threads and sealing surfaces; and oil and grease contamination. Leak test all joints at working pressure.	Yearly as detailed in AS4603 or following a flashback: Proper functioning of the non-return valves and flashback arrestors. For pressure- activated valves, check that there is no flow in the normal direction with the valve tripped.	Manufacturer or supplier recommendation, but not exceeding five years **
3. Hose Assemblies	Visual examination to determine suitability for service (eg gas, pressure rating, damage); condition of threads and sealing surfaces; and oil and grease contamination. Leak test all joints at working pressure.	Six monthly: Check for absence of cuts and excessive wear by bending the hose in a tight radius, to ensure the reinforcement is not visible.	Determined by the hose assembly condition.
4. Blowpipes, mixers and attachments	Visual examination for damage of the threads and sealing surfaces of the hose connections and the attachment connections. Leak test all joints at working pressure.	Six monthly: Test control valve function. Blank the attachment connections and leak test for internal malfunction.	Manufacturer or supplier recommendation, but not exceeding five years **

*** Regulator elastomers and seals will wear and deteriorate in service and deteriorate out of service. Items stored for one year or over without use should receive inspection as per the annual maintenance inspection.*