

Compressed Gas Cylinder Inspection Checklist

Room #:

PI:

Safe Storage Guidelines	
Cap is on when not in use	
Flammables and oxidizers stored separately (minimum distance of 6.5m OR divided with a fire-rated wall)	
Not stored within 1 metre of any exit (except portable fire extinguishers)	
No overcrowding of storage areas	
Accessible at all times, but stored away from elevators, staircases, or main traffic routes where cylinders may be dangerous obstacles	

Safe Handling Guidelines	
Cylinders are labelled and in good condition	
Appropriate laboratory hazard signage	
Cylinders are secure at the site of use	
Appropriate equipment is used when discharging a particular gas	
Cylinder valve outlets, fittings, and regulars threads are not lubricated and jointing compounds/tape are not used	
Valves are always opened slowly and without excessive force	
Cylinder valve is closed when not in use and ensure appropriate pressure on regulator	
Cap is on while transporting/not in use	
Proper regulator and flow meter are used	
Proper PPE for cylinder handling is used	
Flammable Compressed Gases: <ul style="list-style-type: none"> - Stored and use in well ventilated areas away from open flames, sparks, flammable liquids, and oxidizers 	
Oxidizing Compressed Gases: <ul style="list-style-type: none"> - Stored/kept away from oils, grease, organic materials, flammable gases, and combustible materials 	
Asphyxiant Compressed Gases: <ul style="list-style-type: none"> - Used in a well-ventilated storage area - Oxygen monitor is used (recommended) if volume of room is less than 5X volume of container 	
Corrosive and Toxic Compressed Gases: <ul style="list-style-type: none"> - Exposure limits are below permissible limits (according to SDS) - Only handled by trained personnel, with a location emergency response plan - Monitors are used (recommended) - Stored outside, or in a separate, non-combustible compartment or gas cabinet 	
Carts specifically designed for cylinder transport are used	
Transport devices have a way of securing cylinders	