

Storing Cylinders

The large amount of potential energy resulting from compression of the gas make the cylinder a potential rocket or fragment bomb; they must be stored carefully.

Always

- ◆ Store cylinders in a dry, cool, well-ventilated area away from open flames or heat sources
- ◆ Store cylinders upright and secure them with chains or by placing a cylinder cage.
- ◆ Segregate full and empty cylinders
- ◆ Group cylinders by type of hazard and separate hazards from each other — oxygen cylinders must be separated from flammable cylinders or combustible materials by a minimum of 20 feet
- ◆ Store flammable and oxidizers away from emergency exit routes
- ◆ Visually inspect stored cylinders on a routine basis for any indication of leakage or problems
- ◆ Keep cylinders closed when not in use

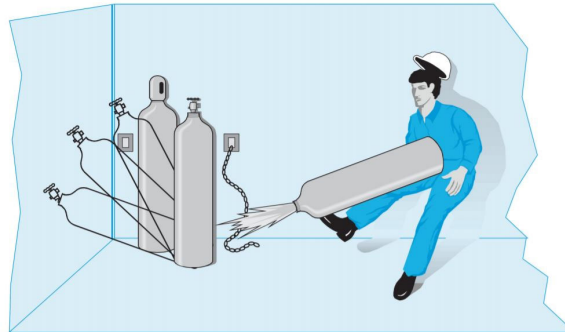


Leaking/Damaged Cylinders

If a cylinder appears to have a structural problem, or if the contents are unknown, it must be removed. Contact Central Stores (x7917) or the supplying vendor as soon as possible.

Cylinder Rockets

Don't turn a cylinder into a rocket!



Secure and cap cylinders when not in use.

If a cylinder valve is accidentally broken off, a standard 33 cubic foot cylinder at approximately 2,600 psi will become a rocket. The cylinder can attain speeds of up to 40 miles per hour and as they Myth Buster proved, it can punch a hole through a cinderblock wall. Cylinders must be secured at all times and caps should be on when the cylinder is not in use.

Environmental Health & Safety

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COMPRESSED GAS CYLINDERS



Environmental Health & Safety



