

Compressed Gas Cylinders

About 9 minutes to deliver

A cylinder with the valve knocked off is a rocket. Caps, chains, upright storage, and twenty feet between oxygen and fuel gas.

A full cylinder holds a couple of thousand pounds per square inch behind a brass valve. Snap that valve off and the cylinder goes through block walls. This is not a story — it is why every rule below exists.

MOVING THEM

- Cap on. 1926.350(a)(6) requires the regulator removed and the valve protection cap in place before a cylinder is moved, unless it is firmly secured on a carrier built for it.
- Cart, chain or steadying device. Never roll one on its base across a slab and never drag one.
- Never lift by the cap. 1926.350(a)(5) says so directly, and it is the cap that comes off, with the cylinder underneath.
- Secured upright in the vehicle. Never loose in a truck bed, never lying in a van with the doors shut.

STORING THEM

- Upright and secured, always — chain, rack or stand. A cylinder standing free will get knocked over eventually.
- Oxygen away from fuel gas: 20 feet apart, or a noncombustible barrier at least 5 feet high with a half-hour fire rating. Same distance from oil, grease and anything highly combustible.
- Valve closed when empty, when finished, and any time it moves. Mark empties MT and keep them separate.
- Acetylene stays upright — including for at least the time your supplier specifies after it has been laid down, so the acetone settles.

USING THEM

- No oil or grease on oxygen fittings, and not on your gloves either. Oxygen and hydrocarbon under pressure ignite on their own. No lubricant on an oxygen regulator, ever.
- Crack the valve away from people before fitting the regulator, to blow out dust.
- Open the valve slowly. Standing to the side, not in front of the regulator face.
- Soapy water for leaks. Never a flame.
- Never use a cylinder as a roller, a support or a workbench, and never strike an arc on one.

DAMAGE

Dents, gouges, arc burns, fire damage, or a leaking valve — tag it, get it outside if you safely can, and get it back to the supplier. Do not repair a cylinder or a valve.

ASK THE CREW

- Is every cylinder on this site upright and secured right now?
- Are oxygen and fuel gas stored the right distance apart in our store?
- Where are the caps for the bottles we are moving today?

29 CFR 1926.350 · 29 CFR 1910.253

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ATTENDANCE RECORD

Compressed Gas Cylinders

About 9 minutes to deliver · 29 CFR 1926.350 · 29 CFR 1910.253

Date

Job / site

Delivered by

Company

#	Print name	Signature	Date
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I delivered this talk and determined it was suitable for this crew and this work.

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