



# GAS HANDLING

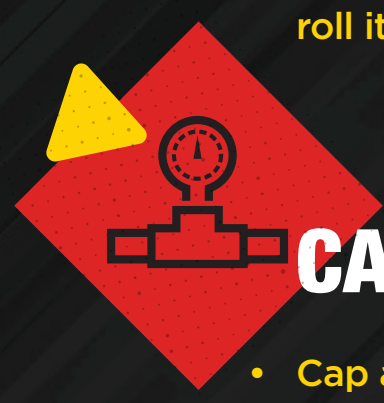


Lab Manager



## HANDLING & TRANSPORT

- Always secure compressed gas cylinders in a vertical position during transport.
- Only move tanks using wheeled carts that are designed for the purpose.
- If a cylinder must be moved manually, tilt it slightly sideways and roll it carefully along its bottom edge, using a spotter if needed.



## CAPS, VALVES, & REGULATORS

- Cap all cylinders when they are not in use.
- To prevent leaks, ensure main valves are closed when the cylinder is not in use, even if it is empty.
- Make sure that the correct regulator is being used for the gas and cylinder.
- Keep regulators free of surface oil and grease.



## STORAGE

- Always secure compressed gas cylinders in a vertical position during transport, storage, and use.
- Store cylinders in a well-ventilated, above-grade, weather-proof storage area that is a safe distance from combustible materials, ignition sources, or intense heat.
- Separate incompatible gas cylinders with open space (20 or more feet between cylinders), fireproof partitions, or approved storage units.
- Keep metal cylinders away from electrical circuits, open flame, and sparks.
- Do not store cylinders in areas that exceed 125°F (52°C).
- When cylinders are empty, mark them as such and arrange for the supplier to pick them up.



## DAMAGED & DEFECTIVE CYLINDERS

- Inspect all tanks and cylinders transported to your facility before you accept them; do not accept tanks that look damaged.
- Do not attempt to repair defective cylinders on your own; arrange for the gas vendor to immediately to pick up defective cylinders.