

CYLINDER OVERFILLING PREVENTION

Overfilling cylinders which exceeds the allowable weight/mass permissible and working pressure can cause deformation and lead to the cylinder's inability to withstand the working pressure and reduce its integrity.



Overfilling compressed gas cylinders can lead to several risks of harming people, property, and the environment, such as:

- Explosion of the cylinder due to mechanical damage, weakness, or over-pressurisation.
- Fragmentation of the metal cylinder upon explosion.
- Exposure to released gas, which may have harmful properties (asphyxiant, toxic, corrosive, flammable).
- Cold burns.

These risks may result in critical accidents during the filling, storage, transportation, receipt, or processing processes.

To avoid such risks, make sure to:

- Respect the filling and pressure limits defined for the cylinders. All cylinders containing mixed refrigerant gases have defined limits of 80% max capacity, and you can find them marked on the cylinder. We advise our customers to refer to local standards for other types of gases. Respect the allowable weight/mass permissible for each gas and cylinder.
- **Do not overfill; this can result in a risk of explosion, and it is also illegal transport.**
- Do not use a damaged cylinder, for example if there are dents, bulges, cracks, or any other visible signs of damage, including valve damage.
- Register the contents, and the weight/mass of the filled cylinders and share them with A-Gas. Mark this on the cylinder as well.

Let's prevent critical accidents during transportation and in all facilities!

ZERO HARM, ZERO LEAKS, ZERO EMISSIONS