

# Connecting your forklift cylinder

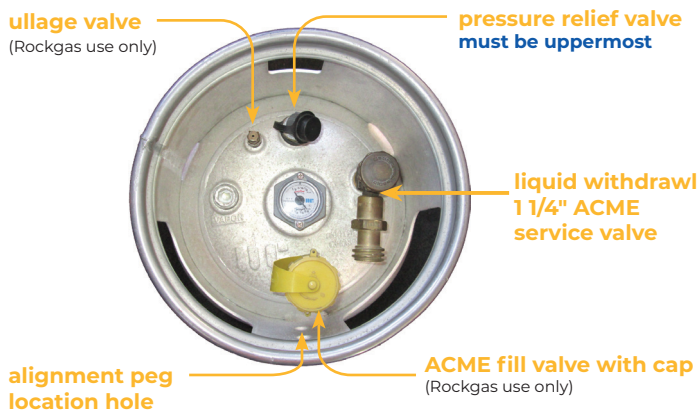
You should be familiar with the LPG Safety Data Sheet before connecting LPG cylinders. This is available from the Rockgas web site Staying Safe [www.rockgas.co.nz/staying-safe](http://www.rockgas.co.nz/staying-safe)



**Call Rockgas**

**0800 574 427**

## Typical valve connection



## Hazards when connecting cylinders

LPG is a nontoxic, non-poisonous gas, but it is highly flammable. The main hazard when connecting cylinders is from a release of liquid LPG, which could catch fire if it comes in contact with an ignition source. It also causes cold burn if it touches your skin.

What can go wrong	What should you do?
Cold burn – from release of LPG liquid	Immediately bath the skin with tepid water. Refer to the LPG Safety Data Sheet for additional first aid treatment
Leaking valve	Turn valve off immediately and contact your Rockgas cylinder supplier
Leaking delivery hose	Contact your forklift service agent
Manual handling injury	Seek medical advice

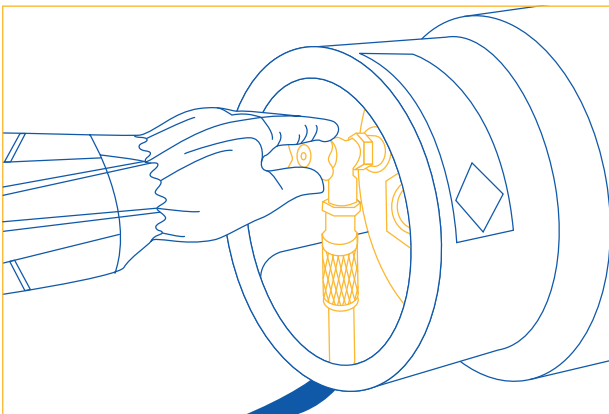
### Important safety tips

- No smoking within 5 metres of cylinders.
- Do not have any naked flame or electronic device such as a mobile phone nearby. They can ignite gas.
- You must wear the correct personal protective equipment (PPE), including thermal gloves and safety glasses. We recommend that gauntlet gloves are used if wearing short sleeves or if there is a gap between your glove and sleeve. Ensure there is no gap.
- Wear anti-static clothing such as cotton, or an anti-static clothing range.
- The cylinder and valves must appear to be in good condition and not have dents, gouges or be badly corroded. If in doubt, leave separated from other cylinders and request the supplier pick up on their next visit.
- Store cylinders with valves at the top, secured and away from heat sources.

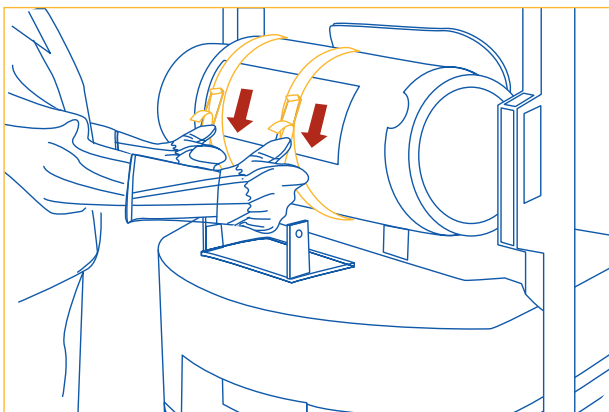
### Connecting forklift cylinders

**Only connect a forklift cylinder if you are trained and wearing the correct PPE.**

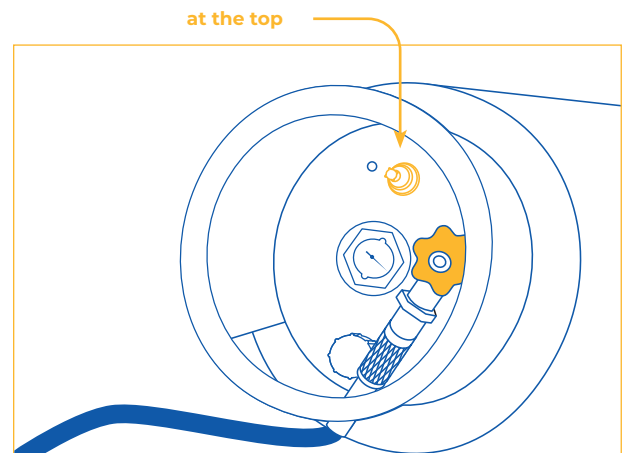
1. Switch off forklift ignition, apply handbrake and turn off all electrical equipment (eg mobile phones).
2. Turn off service valve and loosen the female ACME coupling from the service valve and carefully disconnect the forklift delivery hose from the cylinder. It is normal for a small amount of liquid trapped in the delivery hose to escape.



3. Unclip and remove the cylinder from forklift, using correct manual handling techniques (such as squatting or lowering the empty cylinder to the ground with one or two person lift as appropriate), and place in the designated location.  
Note: **All** cylinders must be stored upright, including empty cylinders.



4. Ensure that the service valve is turned off.
5. Using correct manual handling techniques, refit the full cylinder into brackets on forklift (with a two person lift or use mechanical assistance if available) and secure bracket clips. Ensure cylinder is in the correct alignment with the pressure relief valve in the uppermost position and the alignment peg down.



6. Ensure the service valve on the forklift cylinder is still turned off (clockwise). Reconnect the forklift delivery hose by connecting it to the ACME service valve.
7. Turn on service valve slowly (anti-clockwise).
8. Check for leaks around all the cylinder fittings with soapy water solution, particularly around service valve.

