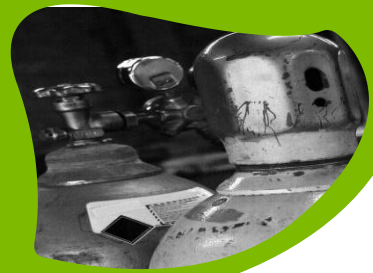


Toolbox Talk

29. Gas Cylinders



What?

- A compressed gas cylinder is a metal cylinder specifically designed to contain gases under pressure greater than one atmosphere, and having the capability of dispensing the gas by means of a control valve mechanism to ensure the safe and proper use of the gas at the point of operation.
- The cylinder is portable and therefore the gas can be moved to where it is needed and stored in convenient locations for use



Why?

- If used wrongly gas bottles can explode or accidentally release gas resulting in accidental ignition and subsequent fire
- Improper handling may damage the cylinder or cylinder valve and can also result in manual handling injury
- Gases in liquid form are extremely cold and accidental contact with eyes or skin may cause severe frostbite.

Do



- ✓ Check for leaks by using soapy water
- ✓ Store gas bottles in a secure manner to prevent them from toppling or rolling
- ✓ Disconnect regulators and coil hoses when not in use
- ✓ Remember that Acetylene is lighter than air and Propane is heavier and will collect in low lying areas
- ✓ Stop work if you smell gas, check there are no ignition sources and ventilate the area
- ✓ Report any leaks to your supervisor as soon as possible

Don't



- ✗ Forget to use suitable PPE
- ✗ Use damaged bottles or other defective equipment
- ✗ Drop or roll cylinders
- ✗ Warm up cylinders using an open flame
- ✗ Leave the valves open when the bottle is not in use
- ✗ Put cylinders in confined spaces, leave them outside
- ✗ Let Propane escape into low lying areas such as excavations, pits, basements etc



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