

# How to: Gas tanks & regulators



SHANGHAI ETHERNAL FAITH INDUSTRY CO., LTD

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# Transporting and moving gas tanks

- Never roll them. Use a dolly!
- Make sure cap is on the tank
- Always make sure gas tanks are secured

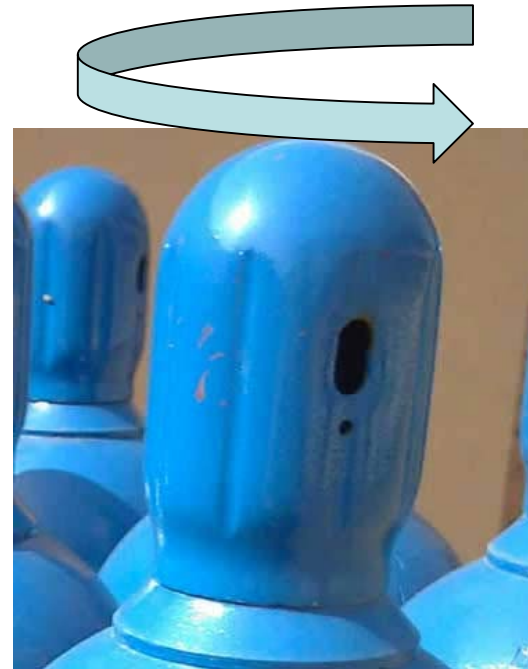


# What if I don't follow proper procedure?



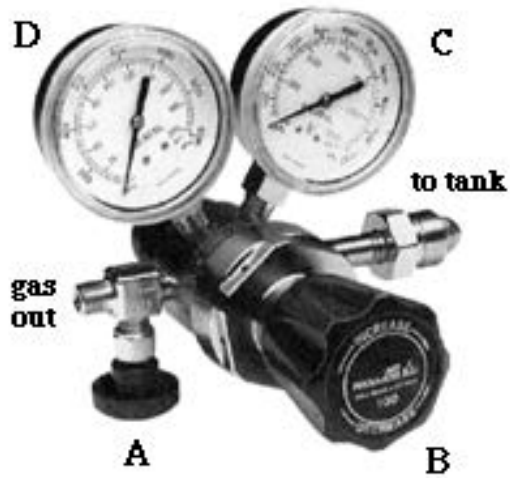
# Installation and regulator use

- Make sure cylinder properly secured, and correct regulator is being used
  - Be aware of the hazards of the gas you are working with (flammable, corrosive, toxic etc.)

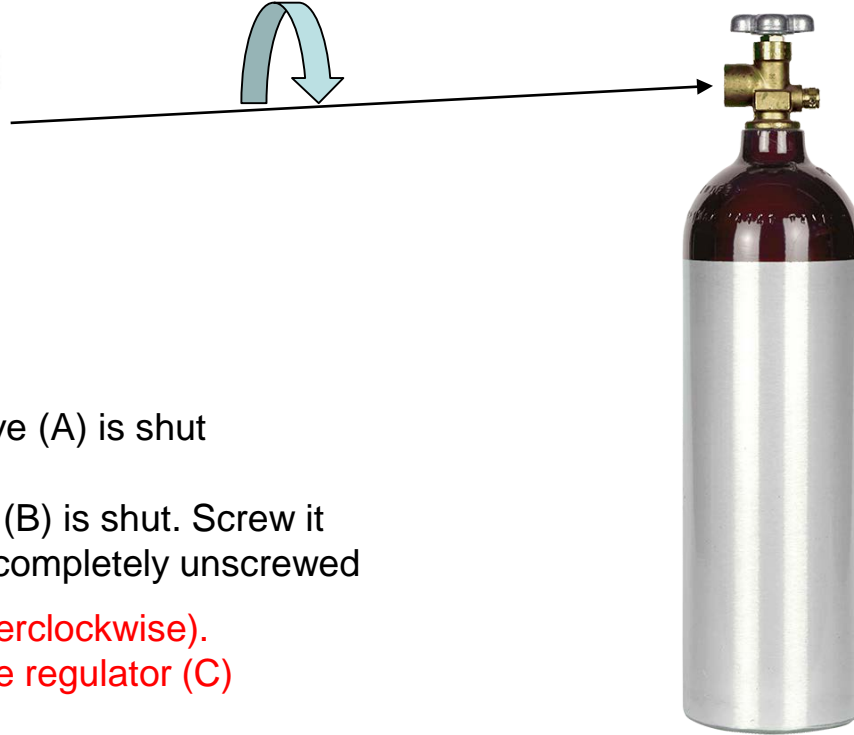
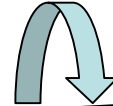


Remove cylinder valve cap (counterclockwise  
– flammable and toxic gases only)

# Installing a regulator



Screw in clockwise until it sits. Counterclockwise for hydrogen



Make sure regulator outlet valve (A) is shut

Ensure regulator control valve (B) is shut. Screw it counterclockwise until almost completely unscrewed

Open tank valve slowly (counterclockwise).  
Watch the tank pressure on the regulator (C)

# Check for gas leaks

Slowly turn the regulator control valve (B) until the regulator pressure (D) is at the desired level

Open the regulator outlet valve (A)



Snook union between regulator and gas tank

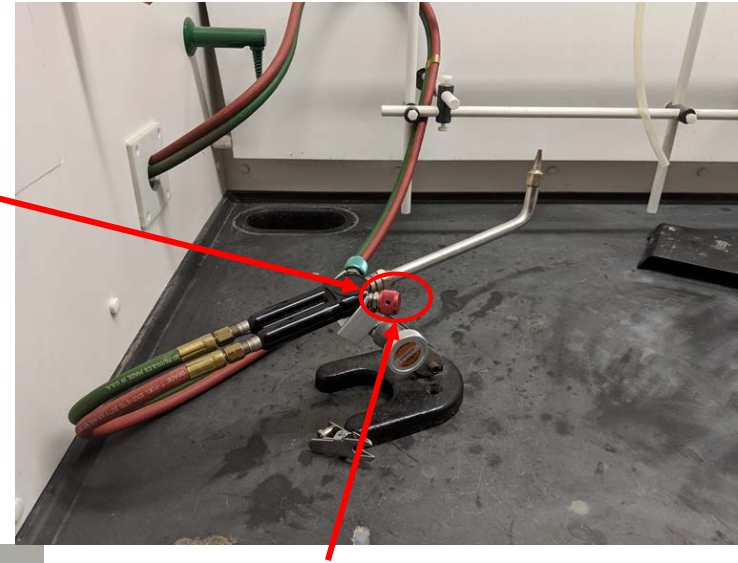
# Using the hydrogen torch

- Always make sure you have a flash arrestor
- Open gas flow from tank and regulator
- Regulate desired pressure
- Slowly release gas by twisting knob on torch
- Light using a striker



# Ideal flame & shut off procedure

- Shut flame off
- Close gas tank



- Bleed gas line
  - Preserves life of regulator membranes
- Turn pressure knob counterclockwise till loose

• A huge flame is **NOT** necessary for what we do

