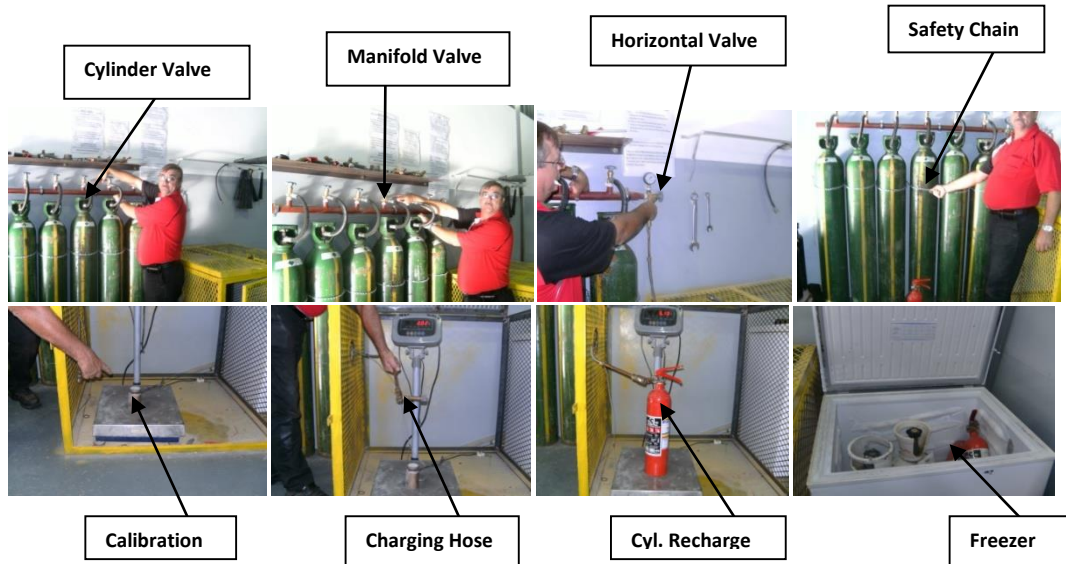


It is very important that this procedure is carried out with the utmost care as you are dealing with extremely high pressures



Procedure:

Check last pressure test and general condition. If condition bad and or requires pressure testing send to SANAS approved station.

Exhaust remaining gas from extinguisher, and remove the discharge hose.

Remember if you exhaust with the discharge hose/horn off the diffuser becomes non effective, and you will be trying to control an extinguisher releasing +5000kpa of pressure which can break your wrist.

Place the extinguisher in the freezer bring the temperature down below ambient.

This speed up the filling process, the cylinder can be filled without bringing down the temperature. But it takes longer and wastes gas

Check the filling rig

- a. All cylinders secure against the wall via chains provided
- b. All cylinder valves in the closed position
- c. All manifold valves in the closed position
- d. Place charging hose into the safety cage and attach the hose onto the extinguisher discharge valve
- e. Check calibration of the scale
- f. Place the extinguisher onto the scale, and zero
- g. Open all main cylinder valves
- h. Open all manifold valves except horizontal valve nearest the safety cage
- i. Loosen hose on extinguisher valve
- j. Open horizontal valve for a few seconds until liquid gas starts to flow, Tighten hose to extinguisher valve, and then close horizontal valve.
- k. Open extinguisher valve, and hold in the open position.
- l. Open horizontal valve and allow gas to flow into the extinguisher
- m. Close extinguisher valve when ideal weight achieved



TOOL BOX 022- Recharging a CO2 Extinguisher

- n. Close horizontal valve
- o. Disconnect extinguisher and fit safety pin
- p. Close all main cylinder valves
- q. Open horizontal valve and purge manifold of gas
- r. Close all manifold valves
- s. Fit seal to extinguisher and send to final inspection area

Questions:

Ask the following Questions to ensure the information is communicated and understood

1. What are you looking for before even considering the re-charge:

Last Pressure test date.

Any suspected tampering with the cylinder or fittings.

Incorrect Valves Fitted

All required details stamped on dome of cylinder only.

Pitting, gouges, distortion, fire damage, etc.

Tell them: If there is any doubt at all the cylinder will not be re-charged at all.

2. What is the operating pressure for a CO2
3. Why do you put the extinguisher in the freezer
4. Why do you zero the scale
5. Why do you calibrate the scale (answer required SABS requirement and to ensure scale reading correctly)
6. Why do we purge the system when finished
7. Why do we close all cylinder valves when finished

Presented By: Name: _____	Date _____	Signature _____
---	--------------------------	-------------------------------

NAME	SIGNATURE	NAME	SIGNATURE



TOOL BOX 022- Recharging a CO2 Extinguisher