

Broadman Limited Guide to Changing a Gas Cylinder

It is very important that anyone changing a cylinder, should be able to do so efficiently, competently and most of all safely.

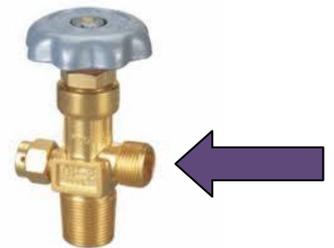
The following should help you to achieve this.

Personnel should be

- Should be conversant with the manual handling regulations 1992, and have received training.
- Wear personal protection, eye protection, gloves and shoes.
- Appreciate the dangers in handling gas cylinders.

For more information, please see 'Manual Handling Regulations'.

Changing a Broadman Limited (carbon dioxide) cylinder



- Turn and close off the valve on top of the empty cylinder
- using the correct spanner, undo the nut on the cylinder to disconnect the high pressure hose or primary reducing valve, and allow residual gas to escape from the hose.
- place the reducing valve or connecting hose to one side within safe reach (do not drop the spanner or leave it hanging)
- release the bracket or chain securing the cylinder
- carefully move the empty cylinder to the storage area (**do not replace plastic plugs on the outlet of empty cylinders**)
- secure the empty cylinder upright, or lie flat and chock it to prevent it rolling
- remove the plastic plug or tape from the new full cylinder outlet and discard it
- Quickly crack the valve open then close it to remove and dirt or debris and moisture from the valve.
- reconnect the high pressure hose or the primary reducing valve, **and check that the sealing washer is in place fitted correctly**
- tighten the nut firmly with the spanner
- turn on the valve on top of the cylinder
- Check for leaks using a solution of soapy water or a commercial equivalent.

Changing a Broadman Limited (mixed gas /industrial gas) cylinder



- Turn and close off the valve on top of the empty cylinder
- open the bleed valve to relieve the pipe of any gas pressure
- using the correct spanner, undo the nut on the cylinder to disconnect the high pressure hose or primary reducing valve and allow residual gas to escape
- place the reducing valve or connecting hose to one side within safe reach (do not drop the spanner or leave it hanging)
- release the bracket or chain securing the cylinder
- carefully move the empty cylinder to the storage area (**do not replace plastic plugs on the outlet of empty cylinders**)
- secure the empty cylinder upright, or lie flat and chock it to prevent rolling
- remove the plastic plug or tape from the new full empty cylinder outlet and discard it
- Quickly crack the valve open then close it to remove and dirt or debris and moisture from the valve.
- refit the high pressure hose or primary reducing valve, making sure the rubber 'O' ring is not damaged and is fitted correctly
- tighten the nut firmly with a spanner (**do not over tighten**)
- check that the bleed valve is shut
- turn on the valve on top of the cylinder
- check for leaks using a solution of soapy water or a commercial equivalent.