CO_2 Air Rifle Cylinder
Filling Procedure

Prior to Filling: Weigh empty cylinders in grams using a food or postal scale. Empty cylinders weigh between 390 and 440 grams. Mark the empty weight on each cylinder.

Empty Cylinder Weight: 390-440 Grams

Tip: Cylinders must be chilled to receive a proper fill of CO_2 liquid. If a refrigerator or freezer is not available to cool cylinders before filling, chill them by opening the P Valve before opening the C Valve during Step 4 (below). Release two or three fills to chill the cylinder sufficiently for a proper fill.

CO₂ Tank Valves:
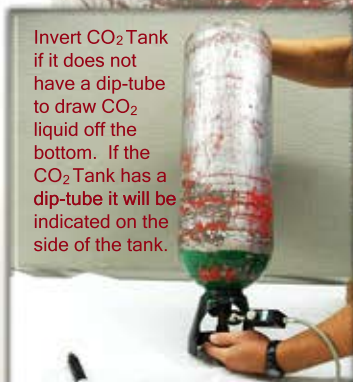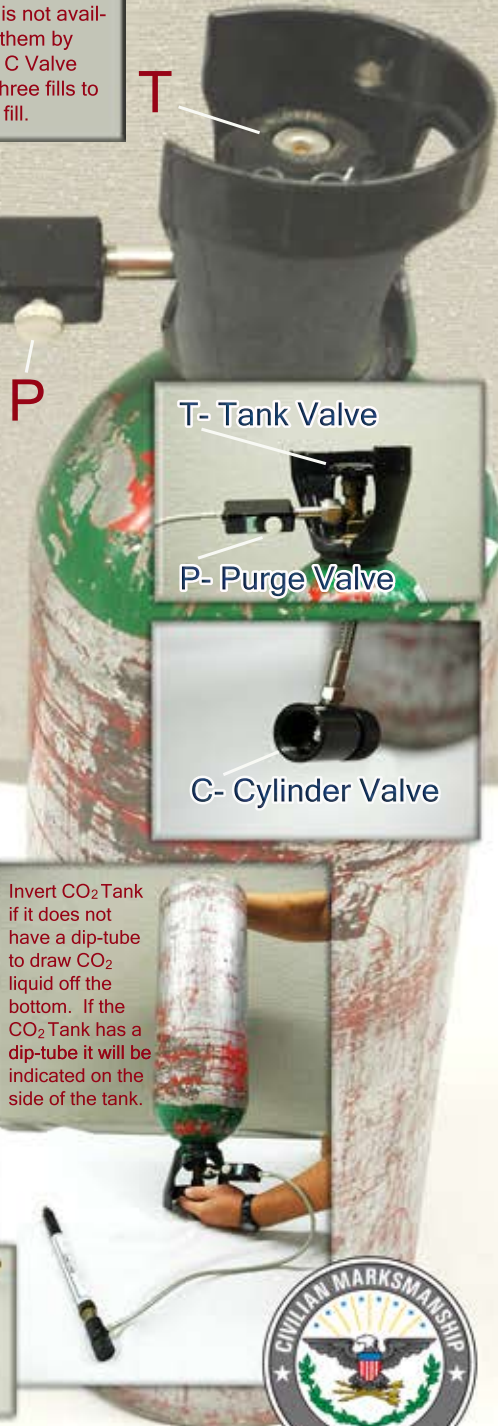T- Tank Valve
P- Purge Valve
C- Cylinder Valve

T

Step 1: Attach the fill station to the main tank (with P Valve vent pointed down). Then open the P Valve and the C Valve.

Step 2: Attach the CO_2 cylinder to the C Valve. After attaching the cylinder, tighten (turn clockwise) the C Valve. This opens the cylinder to receive CO_2. Any CO_2 remaining in the cylinder will release through the P Valve as you tighten the C Valve.

P

Step 3: Close the P Valve and open the T Valve (main tank). Leave the T Valve open for 10-15 seconds, then close it. If your main tank does not have a dip or siphon tube to draw liquid CO_2 from the bottom of the tank, you must invert the tank to get a proper fill. See inset at lower right.

T- Tank Valve

P- Purge Valve

C- Cylinder Valve

Step 4: Open the C Valve (turn counter-clockwise) to close the cylinder so it will retain the CO_2. After opening the C Valve, open the P Valve to bleed gas from the refill adapter line.

Invert CO_2 Tank if it does not have a dip-tube to draw CO_2 liquid off the bottom. If the CO_2 Tank has a dip-tube it will be indicated on the side of the tank.

Step 5: Remove the cylinder from the C Valve and weigh it. A properly filled cylinder should weigh 70-75 grams more than its empty weight. If the cylinder is underweight (a fill of <70 grams), repeat the fill procedure from Step 3. If the cylinder is overweight (a fill of >75 grams), reattach the cylinder to the fill station - close the P Valve - close the C Valve (reopens cylinder) - open the P Valve 1-2 seconds to bleed excess liquid - reweigh - repeat if necessary.

C

Full = Empty weight + 70-75 Grams