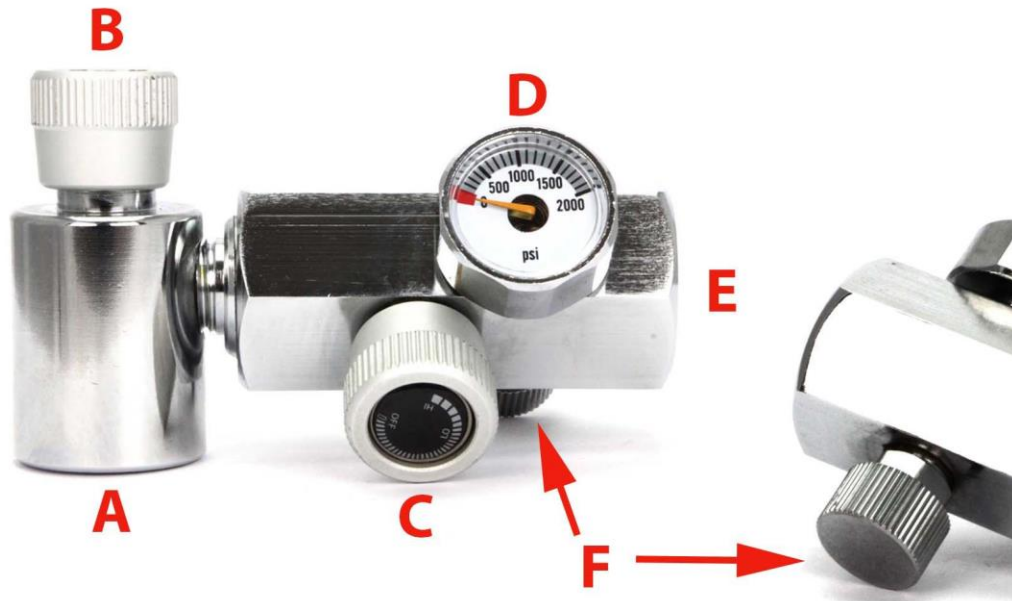


# SodaStream Cylinder Refill Adapter

## User guide



- A: Outlet (SodaStream cylinder screws into here).
- B: SodaStream isolation valve knob.
- C: Shutoff valve.
- D: Pressure gauge.
- E: Inlet (screws to parent/donor cylinder).
- F: Dump / Purge valve.

## Cylinder Preparation

**Donor Cylinder** Try to determine whether your donor cylinder uses a 'dip tube' inside. If your cylinder has a dip tube then it may be used in its normal orientation as liquid CO<sub>2</sub> will be expelled from the cylinder. If your cylinder does not have a dip tube, then you may need to invert (turn upside-down) your donor cylinder so that liquid CO<sub>2</sub> is expelled, rather than CO<sub>2</sub> in its gaseous form. Refilling will still be achieved with gaseous CO<sub>2</sub>, but the recipient cylinder may not achieve its full capacity.

**SodaStream Cylinder** To ensure the SodaStream cylinder will accept its full capacity of gas / liquid CO<sub>2</sub>, it is recommended to put the SodaStream cylinder in a freezer for 2 hours prior to refilling. This is not essential, but it will ensure the cylinder is filled to full capacity. Freezing lowers the pressure inside the cylinder, which enables it to readily accept more CO<sub>2</sub>.



Step 1) Check the weight of the empty SodaStream cylinder that is imprinted on the neck of the cylinder. This is usually 0.76Kg for 60L cylinders.



Step 2) Check the weight of gas that the cylinder will hold. This is usually 425g for 60L cylinders.

The weight of these added together is the weight of a full SodaStream cylinder (760g + 425g = 1,185g)

## Step-by-Step Instructions



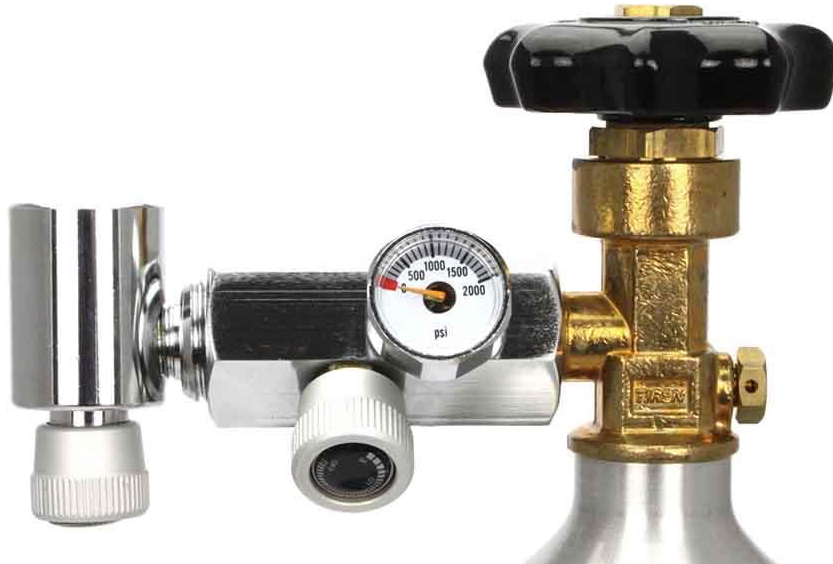
Step 1) Connect the refill adapter to the parent / donor cylinder at the adapter inlet (E). Tighten using a spanner or wrench (do not hand-tighten).



Step 2) Ensure the shutoff valve (C) on the adapter is closed by turning fully clockwise.

Step 3) Turn the knob of the SodaStream isolation valve (B) fully anticlockwise. This will retract the pin inside the adapter which ensures when the SodaStream cylinder is screwed in, it will not press the SodaStream valve to release the gas.

## Direct Connection (no connection hose)



Step 4) Screw the SodaStream adapter into the refill adapter body. The output of the SodaStream adapter may point in any direction, rather than vertically as shown, this is not a problem and will not affect refilling of the cylinder.



Step 5) Screw the SodaStream cylinder into the adapter. Tighten until the cylinder slips in your hand (no need to use tools).

## Using Connection Hose



Step 6) Attach the connection hose to the adapter and tighten using a spanner or wrench (do not hand-tighten).



Step 7) Connect the opposite end of the connection hose to the SodaStream adapter. Tighten using a spanner or wrench (do not hand-tighten).



Step 8) Hold the adapter with one hand while screwing the cylinder with the other. Tighten until the cylinder slips in your hand.

## Refilling Process



Step 9) Open the valve on the parent / donor cylinder to release the gas. The cylinder pressure will then be indicated on the pressure gauge.

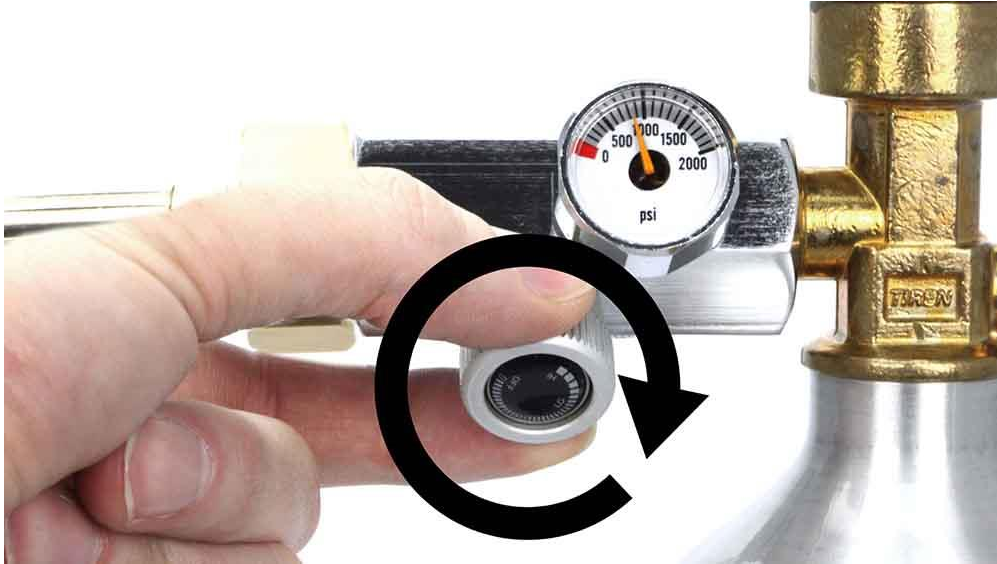


Step 10) Turn the shutoff valve (C) anticlockwise, which will release the gas from the refill adapter.



Step 11) Slowly turn the knob of the SodaStream isolation valve (B) clockwise until you hear gas begin to enter the cylinder (you will hear a noise when this occurs).

The pressure indicated on the gauge will drop to indicate the pressure between the donor and recipient cylinder. Continue to refill until the pressure reaches 900PSI.



Step 12) Once refilling is complete, turn the shutoff valve (C) clockwise to shut off the CO2.



Step 13) Turn the knob of SodaStream isolation valve (B) anticlockwise to isolate the SodaStream cylinder.





Step 14) Slowly turn the purge / dump valve (F) anticlockwise to release the residual gas contained in the apparatus. Upon doing so, you will hear a pronounced 'hiss' - this is normal. Once all of the gas has been released, turn the valve clockwise to close it again for next use.



Step 15) Remove the SodaStream cylinder from the adapter.

Repeat the refill process for each SodaStream cylinder you wish to refill in this batch.



Step 16) The weight of the refilled cylinder should then approximately equal the weight specified on the cylinder, e.g.  $760g + 425g = 1,185g$



Step 17) Close the valve on the parent / donor cylinder when you have finished refilling all cylinders.