

Collection of natural gas samples with the single-valve IsoTube® and the IsoSampler Go™

CAUTION: The IsoSampler Go includes a pressure regulator that is rated for use up to a maximum of 3000 psig (200 bar). If pressures higher than this could be encountered, additional pressure control will be required.

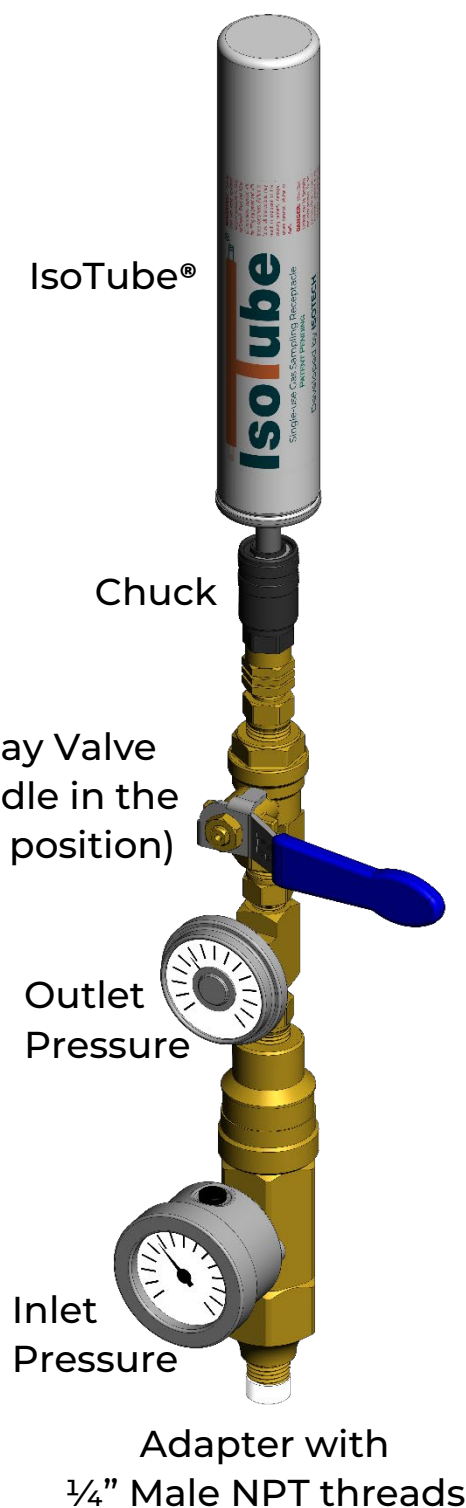
NOTE: IsoTubes are NOT suitable for gases containing hydrogen sulfide (H₂S, sour gas).

Step 1 – Connecting the IsoSampler Go

- Locate a suitable, vertical port for collecting a sample. A 'suitable port' will supply a dry, liquid free gas sample and should consist of both a ¼" female NPT port, and a control valve that can be used to turn the gas on and off.
- Make sure that the threads on the IsoSampler Go are clean and wrap 2 or 3 layers of Teflon® tape, clockwise onto the male threads of the Adapter.
- Screw the IsoSampler Go into the ¼" female NPT sampling port and then tighten by using a wrench on the body of the adapter fitting.

Step 2 - Collecting a sample

- With the IsoSampler Go valve in the horizontal "shut" position, slowly open the control valve on the sampling port. Sample pressure will be indicated on the Inlet Pressure gauge.
- Next push the IsoTube valve into the quick-connect Chuck until it clicks into place.
- Turn the handle on the 3-Way Valve to the vertical "open" position. The IsoTube will fill with gas. Note the pressure on the outlet gauge. The pressure should not be greater than 80 psig.
- Purging and filling of the IsoTube is accomplished by rotating the handle on the 3-Way Valve "open" and "shut" for a minimum of 2 seconds in both positions to alternately pressurize and vent the IsoTube. A minimum of 10 cycles is recommended.
- After the IsoTube is filled for the last time, leave the 3-Way Valve in the vertical "open" position. Remove the IsoTube from the sampling Chuck by pulling back the outer sleeve of the Chuck until the IsoTube is released.



Step 3 – Labeling the IsoTubes

#61884	
Depth or Sample ID	
Gas Units	58PSI
01/Jan/2024 14:30	Pressure
	DDC

- There are adhesive backed labels included with each box of IsoTubes. Fill in the labels using a ballpoint pen and **press hard** as duplicate copies are being made.
- Place a cap over the valve on the IsoTube. Return the IsoTube to the shipping box. When a box of 25 IsoTubes is full, check to see that all caps have been attached. Remove the yellow copy of the sample identification tags and keep it for your records. The white copy should be put back in the box with the IsoTube samples.

Step 4 – Shipping IsoTubes

- Pressurized IsoTubes must be shipped as hazardous material. The necessary warning labels and shipping instructions are included in each box.
- For information about shipping IsoTubes go to:

https://www.isotechlabs.com/customersupport/shippingguidelines/IsoTubeSP_UN2037.pdf

