

# INSTRUCTIONS FOR FILLING LOW PRESSURE SAMPLE CYLINDERS

## PLEASE READ IN ORDER TO PREVENT PERSONAL INJURY OR DAMAGE TO THE SAMPLE CYLINDER

### BACKGROUND

Low pressure systems are typically below 200 psig.

Ambient air samples may contain as little as 10 psi; however, fill with as much air as possible.

**DO NOT USE A LOW PRESSURE SAMPLE CYLINDER FOR A HIGH PRESSURE SYSTEM.**

### HOW TO COLLECT A SAMPLE

1. Remember, the sample cylinders provided are low pressure cylinders. Fill to a minimum of 40 psig and a maximum of 100 psi.
2. The sample collection cylinder contains dry compressed air or nitrogen at low pressure and has been provided with a CGA 346 male fitting. You may need to use an adaptor specific to your system.
3. Connect the sample cylinder inlet to the outlet of the system.
4. Open the outlet valve followed by the inlet valve on the sample cylinder. Allow the compressed air to flow through the cylinder for 10-15 minutes.
5. After the appropriate sampling time, close the outlet valve on the cylinder, allow it to reach line pressure, then close the inlet valve and remove the cylinder from the line.
6. Record the line pressure and the duration of flow through the cylinder on the tag attached to the cylinder and the enclosed Compressor Specifications Sheet. **This information is important for the accuracy of the results.**
7. **Fill in the Compressor Specifications Sheet provided** and return it, along with the cylinder(s), to RPC.

**rpc**

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