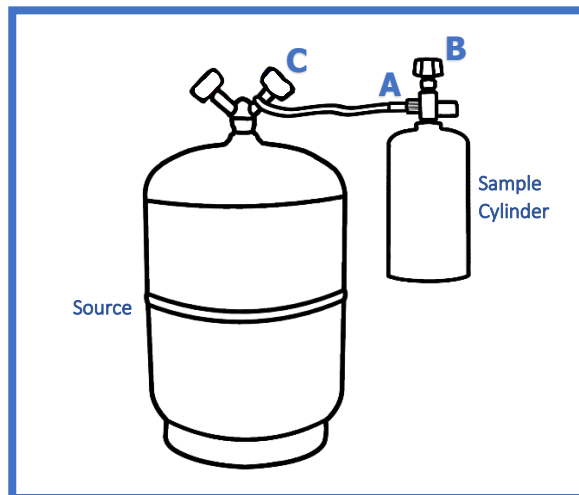


Cylinder Sampling Procedures

(Refer to Figure 1)

- Use a heat gun, or otherwise dry the connection at the sample source, "C". The sample should be drawn from the valve labeled "Liquid".
- Connect a vacuum gauge to the sample cylinder or otherwise ensure that the sample cylinder is at full vacuum (<50 microns). Tare weigh the cylinder to the nearest ounce.
- Connect a clean, dry, flex transfer line to the refrigerant source at point "C". Dry the sample cylinder at point "A".
- Connect the line to the sample cylinder at point "A". Carefully open valve "C" and loosen the connection at "A" to both purge air from the hose and fill the line with refrigerant. Quickly and safely close the connection after you see refrigerant being expelled.
- Open valve "B" to fill the cylinder to about 75%-80% volume capacity (smaller sampling cylinder). Close valve "B" and "C" and remove hose connection first at "C" to expel any refrigerant left in the hose, then remove the connection at "A".
- Quickly replace cap on "A" to avoid condensation inside the valve.
- If sampling low pressure refrigerant, a dry gas such as nitrogen may be used to pressurize the source tank via the "Vapor" valve to fill the sample cylinder.
- Re-weigh the cylinder to ensure sufficient sample has been taken, there should be around 350g of refrigerant inside the cylinder.
- Soap bubble check the sample cylinder valve and valve connection to the cylinder for any leaks.



(Figure 1)



REFRIGERANT ANALYSIS SAMPLE COLLECTION FORM REQUIRED INFORMATION

COMPANY	JOB
Name	Refrigerant Type:
Address:	Job Description:
Contact:	Sample ID:
Email:	Date Requested:
Phone:	

SYSTEM/COMPRESSOR	NOTES
Manufacturer:	
Model:	
Serial Number:	

Packing Instructions

- Fill out form above as well as separate form that is to be attached to the sampling cylinder.
- Follow steps outlined on the reverse of this form for accurate sampling.
- Once the cylinder has a sufficient sample, ensure the valve is closed completely and cap is secured to valve outlet.
- Place and secure the sample cylinder into the box it arrived in along with the necessary forms filled out completely.

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