

CALGAZ RECYCLING PROCEDURE

Cylinder Recycling Tool for use with CALGAZ CYLINDERS

Instructions cover the following models:



Model RC 4250 (external threads)
for use with Calgaz 2AL, 8AL,
6D or 6DM cylinders



Model RC 4260 (internal threads)
for use with Calgaz 7EOC or 7HP
cylinders

READ ALL DIRECTIONS BEFORE PROCEEDING

The Calgaz patented cylinder recycling tool is designed to decommission the DOT 39 cylinders listed above, making them easier and safer to discard. Proper use of the tool will leave a visible hole in the cylinder valve area. Empty cylinders may be returned to Calgaz prepaid or may be collected by local metal recycling companies or simply discarded.

Calgaz only accepts cylinders of its own manufacture for recycling.

DIRECTIONS FOR USE

1. Determine cylinder type and applicable tool to use.
2. **Cylinders must be EMPTY before proceeding. Full cylinders must be safely relieved of pressure by use of a regulator before proceeding with deactivation of the valve. Vent contents outdoors or under a properly rated lab hood. Flammable gas mixtures must be emptied away from all possible sources of ignition. Read the MSDS if you are not sure about the flammability of the gas mixture.** Some residual gas may escape during the procedure. Always wear safety glasses and proceed slowly when working with the cylinders.
3. Hold cylinder with valve away from face. Use caution when working with calibration cylinders. If you are unfamiliar with their use, contact someone who is knowledgeable.
4. Prepare the tool for use by making sure the center punch is retracted completely into the body of the tool. The center punch is retracted by turning it counter clockwise until it stops.
5. Screw the tool on the cylinder as you would a regulator. **If working with a flammable gas mixture perform the remaining operations with the cylinder and tool immersed in a water bath to preclude friction as a possible source of ignition.**
6. Turn the handle slowly clockwise. You will feel increasing resistance until the resistance lessens (or you hear a rattle at the bottom of the cylinder). At this point, you will have pushed the valve stem retainer (and possibly valve stem) out of the valve. There may be some venting during this procedure. If venting occurs, allow gas pressure to dissipate. The tools are designed with gas relief ports in the event that cylinders contain residual gas.
7. Retract and remove the tool by turning the handle counter clockwise several turns and then turning the knurled body with your fingers until it comes unthreaded from the cylinder valve. Do NOT use the handle ONLY to remove the recycling tool from the valve as this may impart undue stress on the center punch. After retraction there will be a visible hole in the cylinder valve. The valve stem or retainer may rattle in the bottom of the cylinder. With the 7EOC and 7HP cylinders, the punched out valve piece may not always rattle due to it being retained by a metal fragment near the original valve stem location.

Warnings

1. **Always wear safety glasses when using these tools.**
2. **Use these tools only with cylinders manufactured by Calgaz.**
3. **If you feel unusual resistance while turning the handle, stop immediately and inspect the cylinder valve for damage.**
4. **Do not use wrenches or pliers to attach the tool to a cylinder, use only hand pressure.**
5. **Use the cylinder tools in a well ventilated area.**
6. **Do not use the tool if it fails to engage properly with the cylinder threads, otherwise injury may occur.**
7. **Always empty cylinders before using recycling tools.**

(NA) · 821 Chesapeake Drive, Cambridge, MD 21613, U.S.A. Tel. +1-800-638-1197
 (EU) · Unit 5, Crown Royal Industrial Park, Shawcross Street, Stockport, Cheshire, SK1 3EY U.K. Tel. +44-161-968-5060
 (Asia) · 175A Bencoolen Street, #07-02 Burlington Square, Singapore 189650 Tel. +65-6736-1141
 (Australia) · Royal Domain Centre, 9th Floor, 380 St. Kilda Rd., Melbourne, Victoria 3004 Tel. +61-3-9697-9888
 (China) · Building 18, No. 1515 Gu Mei Road, Shanghai 200233, P.R. China Tel. +86-21-6090-3711