



Fuels Safety Program	Ref. No.: FS - 104 - 07	Rev. No.:
ADVISORY	Date: May 24, 2007	Date:

Subject: BBQ (typically 20#) Propane Cylinder Relief Valves – Paint Contamination
Sent to:

TSSA and industry have concerns regarding QCC1 valves from 20# propane cylinders that have paint spray contamination in the opening of the pressure relief valve opening. When cylinders are painted over, preventive methods to avoid spray from entering the opening of the pressure relief valve shall be implemented. This type of contamination can adversely affect the safe operating performance of the pressure relief valve.

The relief valve is a mandatory safety device installed on all propane containers and it is designed to provide relief in the event of overpressure of the container contents. It is important to ensure that this safety feature is not reduced or inhibited by foreign materials or contamination. A simple procedure of covering the cylinder relief valve during the painting operation prevents paint overspray from entering the relief valve cavity and potentially inhibiting the proper operation of the valve.

If this preventive action is not taken and the relief valve has been painted to such extent that safety may be compromised, the cylinders should be returned to their original refurbisher or reconditioner.

The manufacturers of the relief valves recommend that the relief valve be inspected each time the container is filled. The inspection shall include specific attention to paint, tar, ice, and grease that can impair the valve function. If there is any doubt about the condition of the valve, it must be replaced.

Propane Relief Valve Manufacturers Recommendations:

Moisture, foreign particles, or contaminants in the valve.

Foreign material such as paint, tar or ice in relief valve parts can impair the proper functioning of the valves. Grease placed in the valve body may harden over time or collect contaminants, thereby impairing the proper operation of the relief valve. DO NOT PLACE GREASE IN THE VALVE BODY, REPLACE THE VALVE IF THERE ARE ANY INDICATIONS OF MOISTURE OR FOREIGN MATTER IN THE VALVE.

Relief valves should be inspected each time the container is filled but no less than once a year. If there is any doubt about the condition of the valve, it must be replaced.

Additional Information can be obtained in CGA Pamphlet S-1.1 Pressure Relief Standards — Cylinders, Section 9.1.1. as well as CGA Pamphlet C-6.