

# FLASHGUARD CHECK VALVE TESTING PROCEDURE

Check valves are mechanical devices which can leak when abused or dirty. Harris recommends checking both the oxygen and fuel gas check valves every six months, as follows:

1. Shut off fuel gas supply and disconnect hose from check valve.
2. Set oxygen regulator to 5 PSI, open all gas valves on torch or cutting attachment.
3. Plug tip and check for reverse flow to fuel gas check valve. Use soapy water or immerse in water to check for leaks. Set pressure to zero after test.
4. Reconnect fuel gas hose and disconnect oxygen hose.
5. Repeat steps 2 and 3 using fuel gas regulator as pressure source.
6. After testing and before placing torch back into operation, purge all hoses and equipment used. Bleed gases independently through hoses and equipment for one second for every ten feet of hose.

Note: Replace any defective check valves; check valves cannot be repaired.

### CAUTION!

Test only in well ventilated area free of ignition sources. If this is not possible, oil free dry compressed air or nitrogen can be substituted for both gases.

## The Harris Products Group

A Lincoln Electric Company  
2345 Murphy Boulevard, Gainesville, GA 30504  
Phone: 770.536.8801 • Orders: 1.800.241.0804 • FAX: 770.535.0544  
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