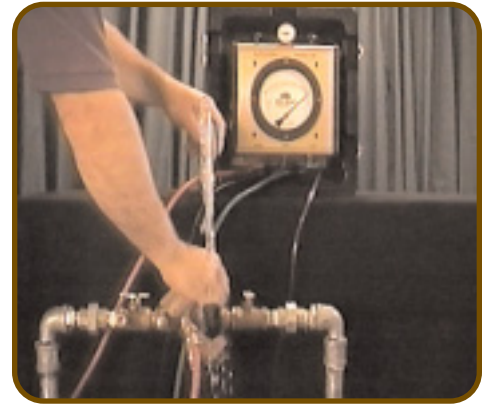
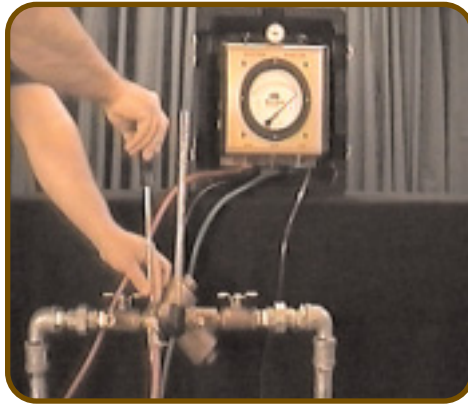
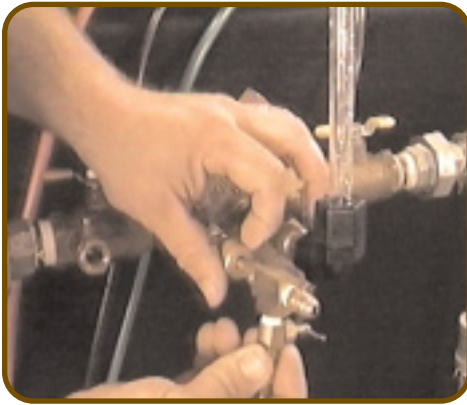




Four Procedures on One Video

Sharper Video Productions of Vancouver, Washington has released an excellent step-by-step field test procedure video. This video provides instruction for each of the four testable backflow preventers: the double check valve assembly, reduced pressure principle assembly, pressure vacuum breaker assembly, and the spill-resistant vacuum breaker assembly. The video is a reference for all backflow prevention technicians. If you are considering certification, about to be re-certified, or a tester that may be getting a little rusty on the procedures, we suggest you order your copy and enjoy! You may contact [Sharper Video Productions](#) by writing to 116 SE 155th Avenue, Vancouver, WA 98684, or call: 360.892.2637.



Double Check Valve Assembly

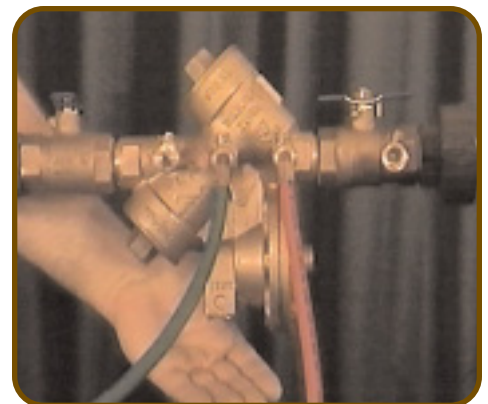
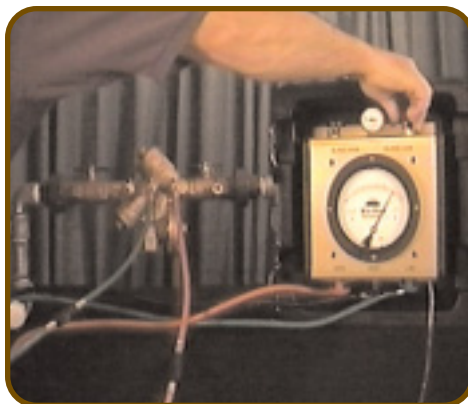
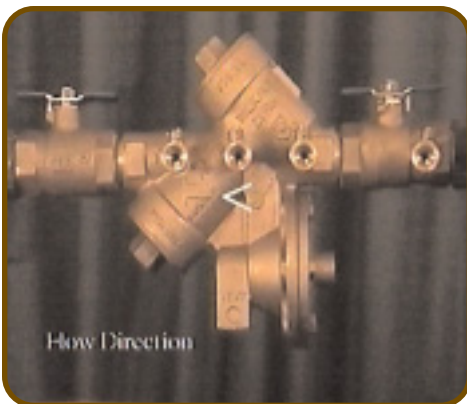
The procedure provides the viewer clear instructions for the installation and flushing of the test cocks.

This test method uses a sight tube installed downstream of the check valve being evaluated, and the high-pressure hose of the differential gauge attached to the upstream test cock.

Once the check valve differential is obtained, the equip-

ment is methodically removed and re-installed at check valve number 2. The video provides a step by step evaluation of check valve 2. There are no short cuts in this production.

The video reminds the viewer when readings must be recorded, as they are obtained. Once the field test is completed, the viewer is provided instructions about restoring the assembly to service and the distribution of the test results.



Reduced Pressure Backflow Assembly

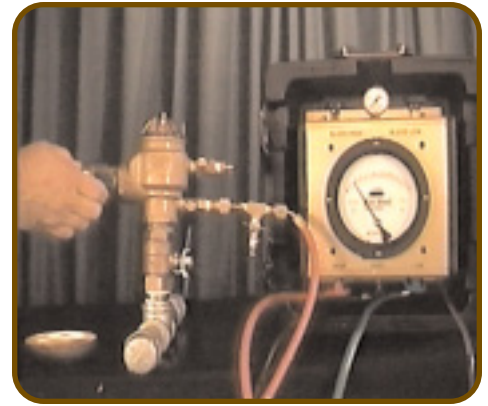
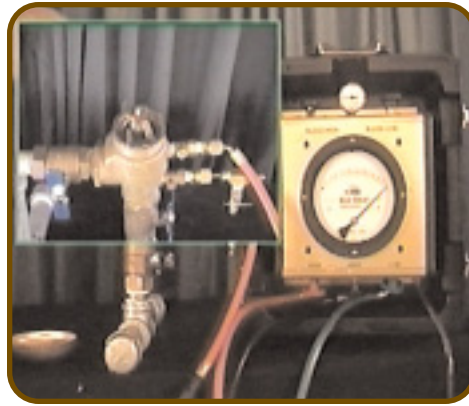
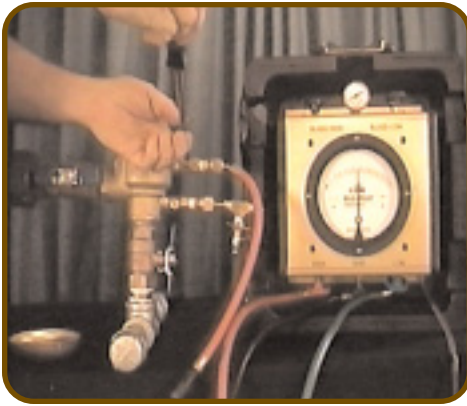
The procedure provides the viewer clear instructions for the installation and flushing of the test cocks. In the case of the RP, care is taken to not prematurely open the relief valve during the flushing process.

Again, the steps given the viewer are detailed, however, the viewer must also have a basic understanding of the hydraulic process. For example, the apparent and actual read-

ings are obtained for check valve number 1, but the video instruction only asks the tester to record the actual reading.

The relief valve is opened through a bypass in the differential gauge, and the second check is determined as 'tight' with backpressure. There is no direction of flow test for check valve number 2.

The viewer is advised to remove the test equipment, restore the customer to service, and distribute the results.



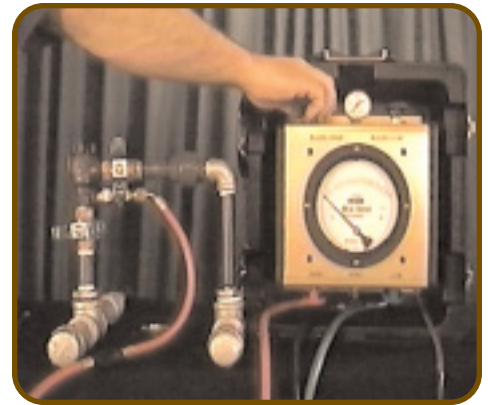
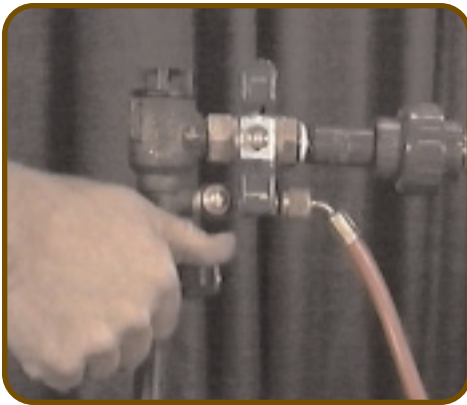
Pressure Vacuum Breaker Assembly

The procedure provides the viewer clear instructions for the installation and flushing of the test cocks. Technicians have been advised of the importance of holding the differential gauge at the same elevation as the unit being tested. This is true for this video during each of the 4 assemblies.

This test procedure evaluates the air-inlet valve first, to determine the opening differential pressure. The viewer is

then provided a detailed setup for the procedure using the high-pressure hose only method.

You may notice in the picture that the fitting attached to test cock number 1 is a tee with a bleed valve. There is not discussion of this bleed valve, but testers following along with written documentation, such as the Foundation's *Manual of Cross-Connection Control* will have no questions about the procedure or equipment when done.



Spill Resistant Vacuum Breaker Assembly

There are many tester certification programs in North American that have not incorporated this procedure into their certification programs. However, it won't be long before testers will be asked to perform this field test.

If you are not familiar with the SVB, the assembly has typically one test cock and a bleed valve. Like the pressure

vacuum breaker assembly, the air-inlet valve is tested and the differential across the check valve is determined. As with the other test procedures, the viewer is instructed to restore the assembly to service, complete and distribute the results.

This video provides clear instruction to the viewer for this field test. In fact, having this portion of the video alone is worth the investment. [dw&bp](#)

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