



Field Test Procedures 9th Edition vs. 10th Edition

9th Edition

10th Edition

Reduced Pressure Principle Assembly (RP)		
	Test Cock Flushing	
	Test No. 1, Step a: Open test cock No. 4, open and close test cock No. 1, open and close test cock No. 2, open and close test cock No. 3 and close test cock No. 4.	Test No.1, Step a: Open test cock 4, open test cock No. 3, open test cock No. 2, open test cock No. 1; then close test cock No. 1, close test cock No. 2, close test cock, No. 3 and close test cock No. 4.
Reason:	This is to ensure that there is flow through the assembly to minimize the possibility of discharging the relief valve, especially if under a backpressure condition.	
	Flushing the Field Test Kit	
	Test No. 1, steps h and i: Close high side bleed needle valve, close low side bleed needle valve, close No. 2 shutoff valve.	Test No. 1, Steps h and i: Close No. 2 shutoff valve, close high side bleed needle valve, close low side bleed needle valve
Reason:	This is to ensure that there is flow through the field test kit to minimize the possibility of discharging the relief valve.	
	Check Valve No. 1	
	Test No. 3, Step a: First check valve reading should be 3.0 psid greater than the relief valve opening point.	Test No. 3, Step a: First check valve reading must be above the relief valve opening point and ≥ 5.0 psid
Reason:	To provide a required minimum value for the first check valve.	
Double Check Valve Assembly (DC)		
	Field Test Kit Location	
	Preliminary Note: For both of the following tests the gage must be held at the same level as the assembly	Test No. 1, Step f and Test No. 2, Step c: Maintain the field test kit at the proper elevation, close shutoff valve No. 1
Reason:	To ensure accurate check valve readings, the elevation of the field test kit is detailed more clearly.	
Pressure Vacuum Breaker Assembly (PVB)		
	Bleed-off Valve Arrangement	
	Troubleshooting 9.4.3.2: The bleed-off valve arrangement is only installed if the No. 1 shutoff valve is found to be leaking.	Test No. 1, Step c: Install the bleed-off valve arrangement to test cock No. 1.
Reason:	Bleed-off valve arrangement is attached at the beginning of the test.	
	Air Inlet Valve Fully Open	
	Test No. 1, Step g: Open high side bleed needle valve to drain water from the body.	Test No. 1, Step h: Remove the high side hose from test cock No. 2 to drain water from the body
Reason:	To drain water from the body more easily and to ensure that the air inlet valve opens fully.	

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Pressure Vacuum Breaker Assembly (continued)		
	Field Test Kit Location	
	Preliminary Note: For both of the following tests the gage must be held at the same level as the assembly	Test No. 1, Step f and Test No. 2 step c: Maintain the field test kit at the proper elevation, close No. 1 shutoff valve.
Reason:	To ensure accurate readings, the elevation of the field test kit is detailed more clearly.	
Spill-Resistant Pressure Vacuum Breaker Assembly (SVB)		
	Bleed-off Valve Arrangement	
	Troubleshooting 9.5.3.2: Bleed-off valve arrangement only installed if No. 1 shutoff valve is found to be leaking	Test No. 1, step c: Install the bleed-off valve arrangement to the test cock.
Reason:	Bleed-off valve arrangement is attached at the beginning of the test.	
	Field Test Kit Location	
	Preliminary Note: For both of the following tests the gage must be held at the same level as the assembly	Test No. 1, Step e and Test No. 2, Step a: Maintain the field test kit at the proper elevation, close shutoff valve No. 1
Reason:	To ensure accurate readings, the elevation of the field test kit is detailed more clearly.	
	Order of Tests	
	Test No. 1, Air inlet valve reading occurs before Test No. 2, check valve reading	Test No. 1, check valve reading occurs before Test No. 2, air inlet valve reading
Reason:	To simplify the field test procedure.	
	Air Inlet Valve Fully Open	
	Test No. 1, Step g: Open high side bleed needle valve to drain water from the body.	Test No. 2, Step c: Remove the high side hose from the bleed-off valve arrangement to drain water from the body
Reason:	To drain water from the body more easily and to ensure that the air inlet valve opens fully.	