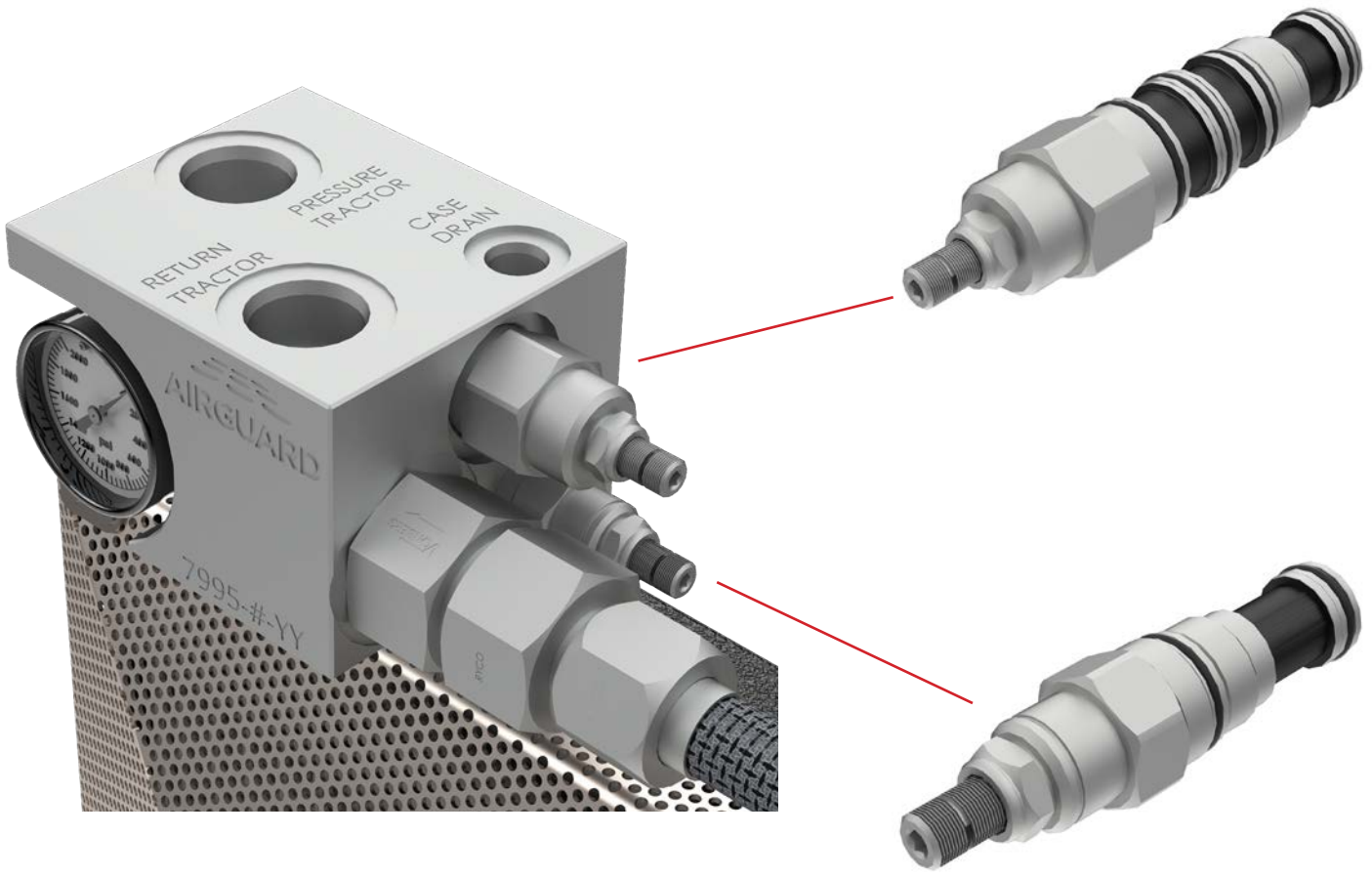


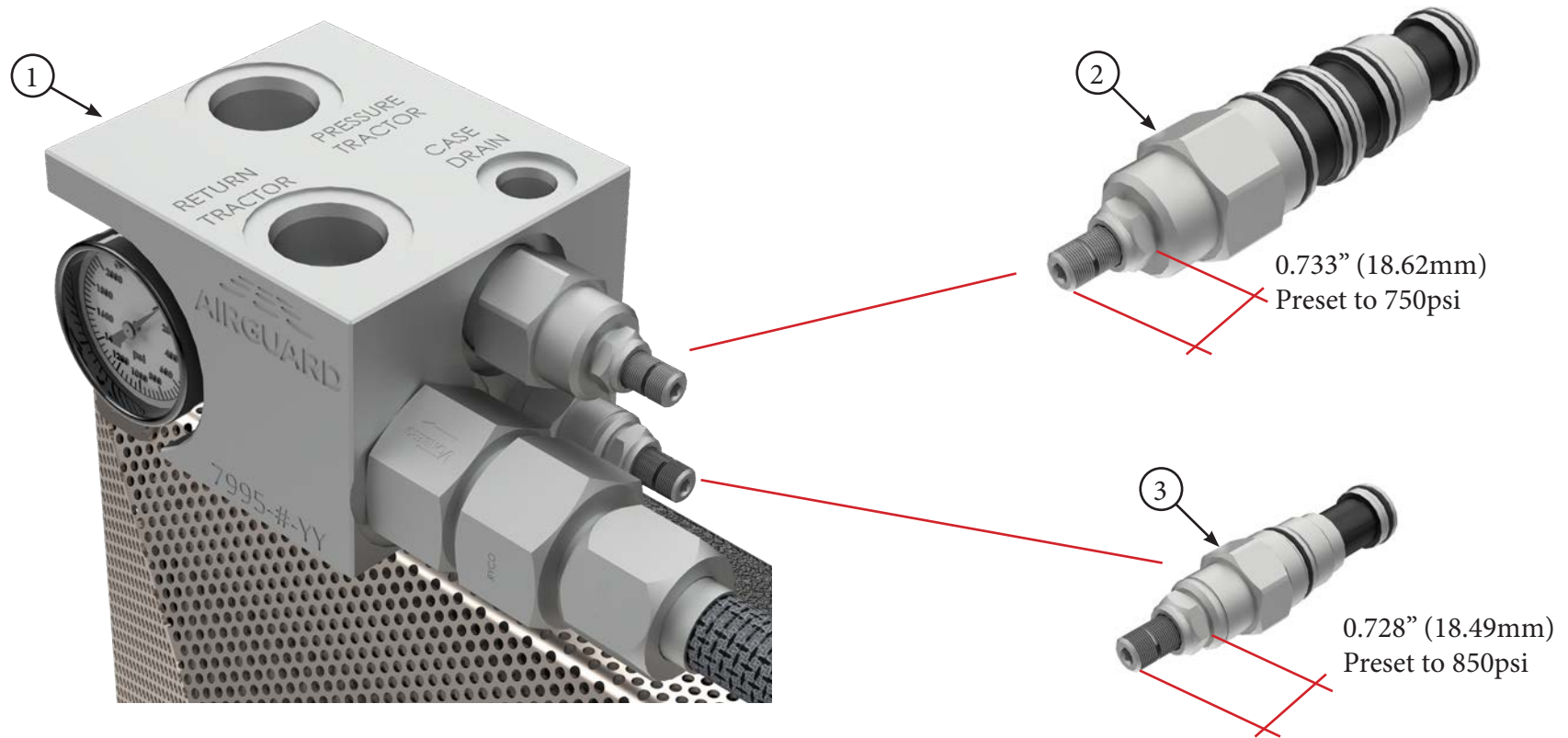
# V2 BLOCKAGE PREVENTION SYSTEM VALVE CARE INSTRUCTIONS

Release Date: 2024-04-19



<b>Title</b>	Valve Care Instructions	<b>RELEASE DATE</b>	2024-04-19
<b>STEP</b>	1. Normally the valves on the Airguard Blockage Prevention System should not be adjusted. They are preset from our factory for optimal performance of our system. In the case where adjustment is required, we have provided guidelines in order to set them in the field. Measurement is taken from the tip of the adjustment screw to the base of the jam nut. <b>CONTACT AIRGUARD BEFORE ADJUSTING THESE VALVES.</b>	<b>REV #</b>	1.0
		<b>PART KIT #</b>	Varies

## CONTACT AIRGUARD BEFORE ADJUSTING VALVES: 1-604-744-0070



PARTS LIST		
Item	Part #	Description
1	7995	V2 BP System
2	7997	V2 BP System - Logic Cartridge
3	7998	V2 BP System - Pressure Relief Cartridge

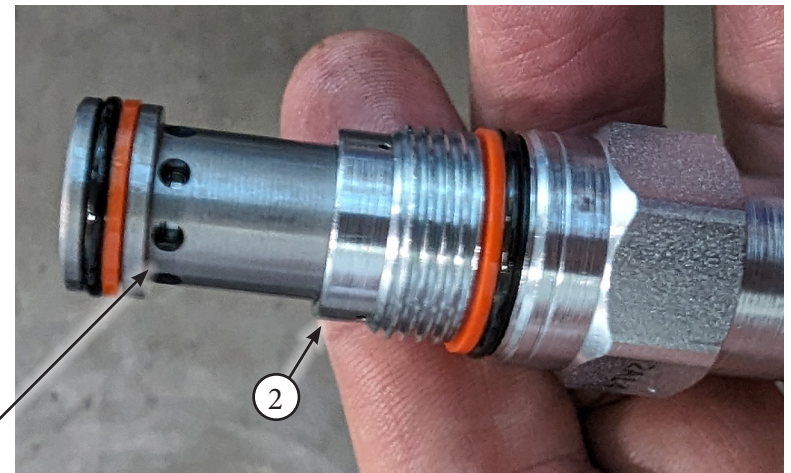
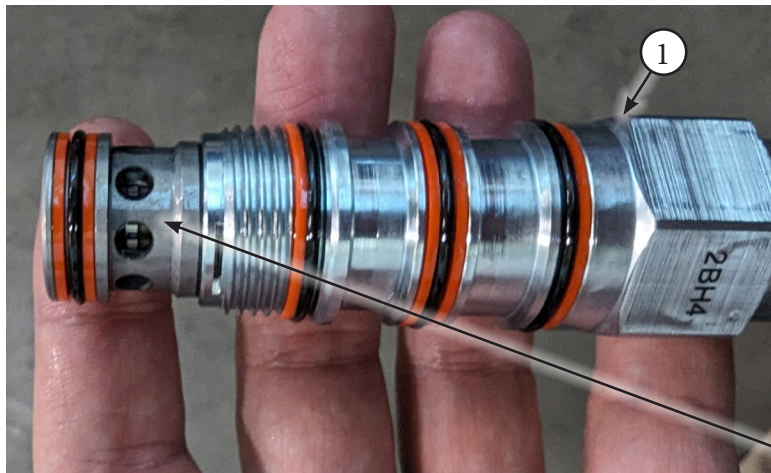
**THIS ADJUSTMENT SHOULD BE DONE WITHOUT REMOVING THE VALVES FROM THE MANIFOLD**

<b>Title</b>	Valve Care Instructions	<b>RELEASE DATE</b>	2024-04-19
<b>STEP</b>	2. In some cases debris may have blocked the screen or orifices of the valve cartridges. If you are experiencing a significant drop in fam RPM (More than 10%) then the valves should be removed and cleaned. Wash all surfaces of the manifold around the valves. Use clean hands when handling the valves. This must be done in a clean environment or damage may occur to the valves.	<b>REV #</b>	1.0
		<b>PART KIT #</b>	Varies

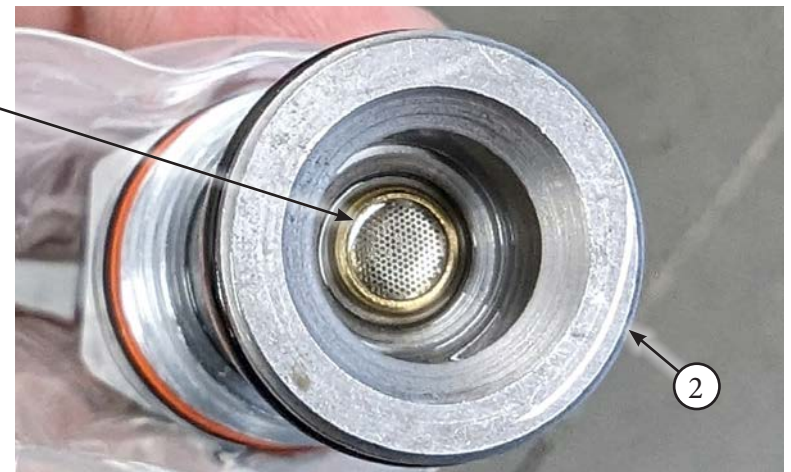


**MANIFOLD BLOCK AND AREA SURROUNDING VALVES MUST BE CLEAN PRIOR TO CLEANING AND REMOVAL**

<b>Title</b>	Valve Care Instructions	<b>RELEASE DATE</b>	2024-04-19
<b>STEP</b>	3. Remove valves from manifold, a 1 1/8" Socket is required for the logic valve (Item 1), and a 7/8" Socket is required for the pressure relief valve (Item 2). Place valves in a clean container for cleaning. Inspect valves to see if there is any large debris in the screen or orifices. Use mineral oil and high pressure air to clear any debris from the small holes or screens in the valves.	<b>REV #</b>	1.0
		<b>PART KIT #</b>	Varies



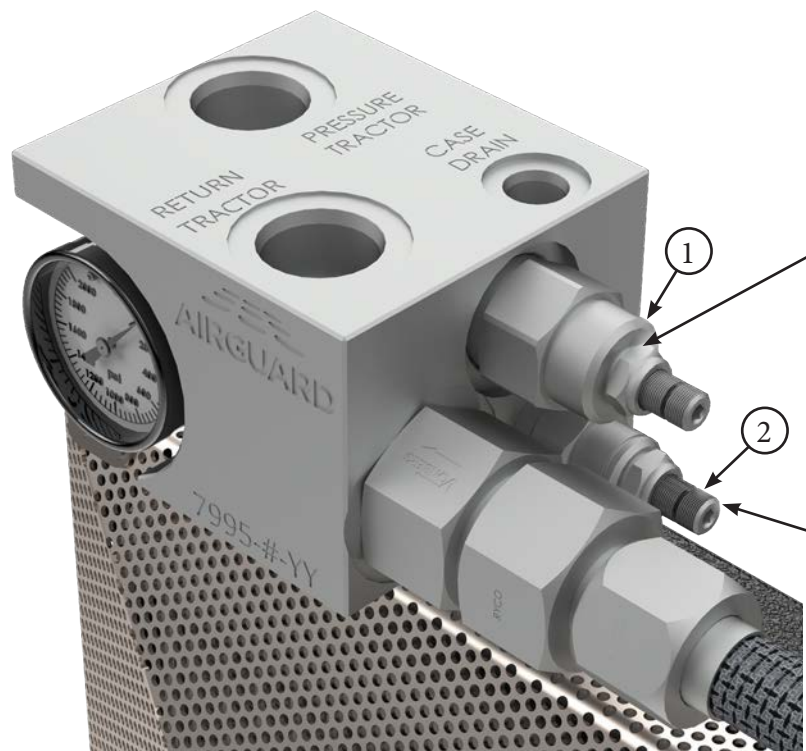
BLOW OUT  
WITH HIGH  
PRESSURE AIR



PARTS LIST		
Item	Part #	Description
1	7997	V2 BP System - Logic Cartridge

PARTS LIST		
Item	Part #	Description
2	7998	V2 BP System - Pressure Relief Cartridge

<b>Title</b>	Valve Care Instructions	<b>RELEASE DATE</b>	2024-04-19
<b>STEP</b>	3. Reinstall valves into manifold. Tighten using a torque wrench according to the specifications provided on this page.	<b>REV #</b>	1.0
		<b>PART KIT #</b>	Varies



**TORQUE SETTING: 45-50 ft-lb**

**TORQUE SETTING: 30-35 ft-lb**

PARTS LIST		
Item	Part #	Description
1	7997	V2 BP System - Logic Cartridge

PARTS LIST		
Item	Part #	Description
2	7998	V2 BP System - Pressure Relief Cartridge

Title	Valve Care Instructions	RELEASE DATE	2024-04-19
STEP	4. Start up operating procedure.	REV #	1.0
		PART KIT #	Varies

## ----- WARNING -----

**Start up procedure is critical to reduce pressure spikes.**

### START UP PROCEDURE:

After you have installed the Airguard Blockage Prevention System it's critical that you start the Aircart fans very slowly. You're introducing an air pocket that must be moved slowly to the tractor while you prime the hydraulic lines with oil. This process is a good way to make sure your fittings are sealed and secure.

1. Get your oil warmed to 80-100 deg F. If your oil is cold, the viscosity is very high and it will not move through the internal components easily. By warming the oil first, everything will operate as it should.
2. Initiate your fans with 500 Fan RPM at 25% oil flow (or 10% of your max fan speed). If everything looks good, the pressure is just starting to register on the Airguard pressure gauge. If all your fittings are holding their seal, continue to the next step. If your fan is NOT moving, that's okay. The oil is circulating.  
**Operate this way for 5 minutes.**

**NOTE:** If there is a pressure spike at this low oil flow rate, there is potential for an air lock. Disconnect the end fitting on the Return Line at the SCV and drain off some oil to release the pressure. Reconnect the end fitting and repeat Step 2.

3. Run 1000 Fan RPM at 45% oil flow (or 35% of your max fan speed). Operate for 5 seconds.
4. Run 2000 Fan RPM at 65% oil flow (or 75% of your max fan speed). Operate for 5 seconds.
5. Run 3500 Fan RPM at 85% oil flow (or 100% of your max fan speed). Operate for 3-5 minutes.
6. Take time to ensure that your conveyor or auger is working properly in conjunction with your Airguard kit. Turn your fan RPM down to 50% oil flow and engage the conveyor/auger. If everything is operating as it should, you have successfully installed your Airguard Blockage Prevention System kit. If there are any questions or concerns about the operations, call your AIRGUARD Sales Representative using contact information found at [www.airguardproducts.com/contact](http://www.airguardproducts.com/contact) or visit us at [www.airguardproducts.com/productsupport](http://www.airguardproducts.com/productsupport).

Now you're ready to operate! Follow the same warm up procedure you do every day and go seed. This is a procedure that we highly recommend at the beginning of each future season, to ensure the continuation of successful operations. It is a critical step in the introduction of new machinery to your farm operation. After the freeze and thaw of seasons we want to eliminate any air pockets or leaks that could slow preparations.