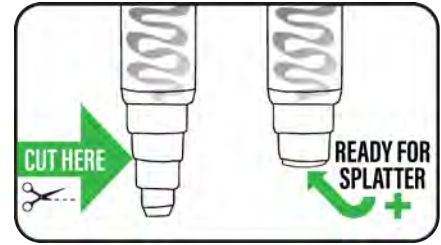




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# - INSTRUCTIONS -



## **PJR STARTUP PROCEDURES:**

1. Open drums and insert fittings. Fittings for drum should correspond to fitting on PJR Reactor. Be sure to set drums up to match stickers, labels and colors. Never change product once designated and used in lines and PJR Reactor.
  2. **MAKE SURE ALL CLIPS AND HOLD-DOWNS ARE SECURE ON REACTOR PUMP & CART.**
  3. Stand PJR Cart upright with the help of another person. **\*DO NOT ATTEMPT ON YOUR OWN\***
  4. Line up drums (jugs/bag-n-box) according to labels & fitting location. Small cam lock fittings should face the bottom of the cart.
  5. Make sure valves are closed and vents remain plugged.
  6. Secure drum straps into place. Make sure drum straps are in the locked position and the drums are firmly against the deck.
  7. Connect cam lock fittings to drums. Make sure all fittings are connected securely and are in the locked position.  
**\*PLEASE DOUBLE CHECK ALL FITTINGS AND CLIPS.**
  8. With the help of another person pull PJR Cart down so the drums are parallel to roof deck, ensuring that wheels and rear legs are securely on the roof surface.
  9. Place Generator in tray.
  10. Connect all hoses, and spray gun making sure that the hoses are in the proper place. Hose fittings will only fit in one way.
  11. Make sure all fittings are secure and firm.
  12. Start Generator and plugin PJR Reactor to power. Allow time to warm up. **DO NOT USE IDLE CONTROL!**  
***Generator should run at full throttle all the time to prevent damage to PJR Reactor.***
  13. Install Driers into vent fittings. It may be necessary to use bleed lines into vent fittings first.
  14. Put Bleed valves in "spray" position, and turn dial to 0-0.3 with gun open.
  15. Make sure fluids are flowing through clear tubing.
  16. Run until even flow comes through end of gun. To prevent clogging at tip when in use, purge gun every 2-3 minutes, or as necessary so adhesive does not clog.
  17. Twist on a Static Mixing Nozzle Tip to your applicator gun & pull back manifold to begin spraying Static Bead.
- NOTE:** To change drums reverse procedure -> Reverse procedure & change one drum at a time to prevent "crossing" drums.

**SPRAYING, SPRAY PATTERNS, AND VEE-AIR 1SP INSTRUCTIONS NEXT PAGE**



# SPRAYING VEE-AIR ONE<sup>SP</sup> & V-MANIFOLD APPLICATORS:

**STEP 1:** Inject Lithium Grease into Both Grease-Ports of Static V-Manifold Applicator Gun.

**STEP 2:** Always Grease the Ports on the V-Manifold at the start of a new day of spraying.

**A.) WHEN USING VEE-AIR 1<sup>SP</sup>** Always Grease inside **ALL** Threads of Vee Air-1<sup>SP</sup> Tip in addition to V-Manifold Gun.

**B.)** Unscrew Air-Valve Knob and Grease the Air Valve-Stem Threads with White Lithium Grease.

**C.)** Grease the Port on top of Vee Air-1<sup>SP</sup> Tip and the Mounting Threads where **V-Manifold Gun** attaches.

**STEP 3:** Slowly turn VA1SP Air-Valve Knob and let air flow through the system while V-Manifold is still closed.

**A.)** Slowly pull down the V-Manifold handle to get A+B product flowing through your Static Mixing Nozzle.

**B.)** Begin feathering in your material & Adjust Pump Controls where Necessary.

**SPLATTER PATTERN INSTRUCTIONS FOR VEE-AIR 1<sup>SP</sup>:** If using a "stepped" or "pencil point-tipped" Static Mixing Nozzle, make sure you cut off a 1/2" of Mixing-Nozzle-Spray-Tip to apply a Splatter Pattern.

When pausing spray application for 30-60 seconds at the end of a run hold Vee Air-1<sup>SP</sup> gun down with Static Mixing Nozzle pointed at the ground, letting **AIR ONLY** flow through the Vee Air-1<sup>SP</sup>. This will keep the Static Mixing Nozzle tip open ensuring clear passage for when you are ready to continue spraying a new run.

**PAUSING or STOPPING SPRAY APPLICATION for Lunch, End of Day or Extended Periods of Time:**

• Let air flow through Vee Air-1<sup>SP</sup> with manifold handle off to **Air-Purge** excess material for at least **20-30 seconds**.

• Inject 2" of White Lithium Grease into the threaded end of your Static-Mixing Nozzle and re-attach to keep the whole system air-tight. **NOTE ->** This is not to keep the Static Mixing Nozzle clean for re-use, it is to keep the entire PJR Vee Air-1<sup>SP</sup> System "air-tight" and ready to continue spraying the next morning or after extended breaks.

**\*Always Use a Fresh NEW Static-Mixing Nozzle** after any extended breaks from spraying, or overnight downtime to ensure the best spray productivity, open flow control, and spray quality from your Vee-Air 1<sup>SP</sup> setup.

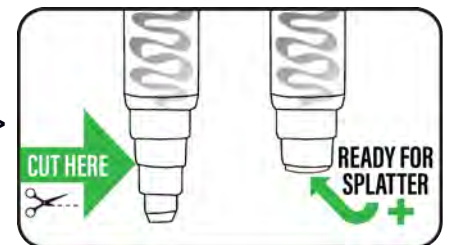
**\*Prior to Spraying After Overnight Down-Time or Extended Periods of Time:** Inspect Vee Air-1<sup>SP</sup> Tip to ensure no quick cleaning is necessary. If there is a clog from A+B Material build-up within the Vee Air-1<sup>SP</sup> Tip, use the Magnetic Hand Tool (*included/attached to the side of your Vee Air-1<sup>SP</sup> gun*) or any Allen Key to quickly remove any "set" A+B Material that may have set in the tip after extended down time. This should NOT occur if you consistently follow all spray instructions, daily flushing, start-up and shutdown procedures adequately.

**Cleaning Blocked V-Manifold or VA1SP Tip with Magnetic Cleaning Tool** (*any Allen Key will work as well*): Twist the Magnetic Hand Tool inside both thread ports of Vee Air-1<sup>SP</sup> Tip, as well as Air-Valve by simply unscrewing Knob.

**SPRAY PATTERNS, AIR-PURGE, BEAD TIPS & REMINDERS:**

**- VEE-AIR-1SP SPLATTER PATTERN:**

- 1.) Cut the tip of Static Mixing Nozzle if "Stepped" or "Pencil-Pointed" | **DIAGRAM ->**
- 2.) Then, let air flow through tip only.
- 3.) Then, slowly begin "feathering in material!"



**- AIR-PURGE CLEANING/KEEPING TIP + LINES FREE & CLEAR OF MATERIAL:** Hold VEE-AIR Gun with Static Mixing Nozzle Tip pointed toward the ground. **ALWAYS** let the air flow through the gun for 15-20 seconds before & after runs of spraying material to ensure that the Gun and A+B lines don't get clogged.

**- FULL SPRAY PATTERN:** When using Vee-Air 1SP for Full Spray, use "stepped" or "pencil-pointed" Static Mixing Nozzle with more air-flow and low A+B material pressure to get a nice aerosolized type of full-spray pattern.

**- STATIC BEAD:** Always remember to "SLOWLY" pull down on Manifold arm of your Applicator Gun to begin feathering in your A+B material, ensuring minimal material gets wasted or creates unnecessary messes on the job.

**SHUTDOWN CHECKLIST & FLUSHING PROCEDURES NEXT PAGE**





## **PJR OVERNIGHT SHUT DOWN CHECKLIST**

*(Lunch breaks, Overnight, or 3-5 days)*

- 1.) Turn off rocker switch on pump. Unplug Unit.
- 2.) Turn down pressure knob to off position on pump.
- 3.) Open gun to relieve pressure in hoses.
- 4.) Close PJR VEE Manifold
- 5.) Grease gun to point of having 3" - 4" of grease in nozzle
- 6.) Turn off both ball valves at inlet hoses from drums.
- 7.) Take recirculation hoses out of vents and let hang down.
- 8.) Screw caps back on vent tubes.
- 9.) Cover PJR with Green Vinyl Cover

## **VEE-AIR 1<sup>SP</sup> & FUSION-AP GUN OVERNIGHT SHUT DOWN CHECKLIST:**

- A) Turn off rocker switch on pump. Unplug Unit.
- B) Turn down pressure knob to off position on pump. (Shut off valves on gunblock)
- C) Allow air to blow through gun for 2 - 3 minutes. Trigger gun a few times to help clear tip.
- D) Shut off air compressor. Remove air line from gun. Remove cap from top of grease fitting on gun until it comes out of gun end. Replace cap.
- E) Store gun in a dry bag.
- F) Turn off both ball valves at inlet hoses from drums.
- G) Take recirculation hoses out of vents and let hang down.
- H) Screw caps back on vent tubes.

## **PATRIOT JR. LONG TERM SHUT DOWN CHECKLIST:**

- Close inlet ball valves
- Disconnect inlet hoses from drums.
- Using the bag-in-a-box connector hoses, connect the appropriate hose to the A side inlet cam lock.
- Place hose into container of neutralizer .
- Open both ball valves inlet - allow B side to pump air through lines while flush is being pumped through A side.
- Have both residual materials left in hoses to be pumped into a container that can be discarded after foam has hardened.
- Once all materials have been purged from lines and neutralizer is present, allow the neutralizer to refill the same container from which you are pumping out of. Recirculate for approximately 10-15 minutes.
- Pull hose from container allowing neutralizer in hose to run back into container.
- Now insert same inlet lose into container of Dyna-lube.
- Flush out neutralizer until lube is present.
- Pump lube through system until it comes out gun.
- Leave air in B side.
- Close off inlet ball valves.
- Install dust caps and covers in cam locks.
- Turn off pump and close gun.
- Add grease into guns through grease nozzle inlets. (Fill 2" - 3" into tip)

If you have any questions or need assistance, please don't hesitate to call us at 1.800.267.2308, or email us at [internetsales@crssupply.com](mailto:internetsales@crssupply.com)