

AIR DUAL CARTRIDGE GUN

Nominal thrust 490 lbs. @ 100 psi/2.5" cylinder. Easily converts in just seconds from 150 ml x 150 ml to 150 ml x 75 ml with snap on/snap off push disks. Patented cartridge stabilizing plate securely holds all cartridges. Adjustable heavy duty aluminum air regulator. Air dump valve stops flow instantly. Reverse air. Quick disconnect nipple.



**Pneumatic Gun
(96215)**

**2:1 Push Disc
(96215-221PD)**

APPLICATOR GUN MAINTENANCE

After every use: Always clean off any material using the manufacturer's recommended solvent before it has time to cure. Special care should be taken to make sure no residue is left on the rods.

Weekly: Check the plungers and that all external bolts and screws are tight. Tighten if found to be loose.

Monthly: Lubrication of internal pistons and seals. Place 3 drops of oil on the air inlet at the air regulator. Reconnect the air line and when next operated, the compressed air will blow the oil into the inner workings of the gun.

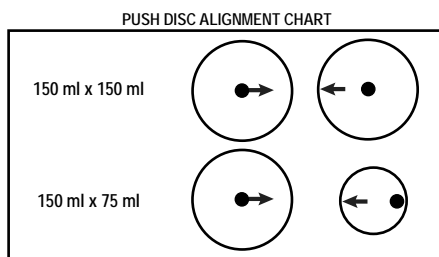
CONVERTING PUSH DISCS TO 2:1

Removing

1. Place the airgun on a flat surface with the frame side away from you and the handle upwards. If the push discs are completely retracted, push discs need to be brought out 2-3 inches. Insert the push disc wrench (larger opening side) between push disc and cartridge stabilizing plate. Push the wrench towards the front plate to create an approximate 2-3" gap between the push disc and cartridge stabilizing plate.
2. Reverse the wrench and place the small opening on the hex nut at the end of the push disc. Lean the wrench back toward the air cylinder and the disc will release.

Attaching

1. Slide push disc on the end of the rod until it snaps in.
2. Make sure all arrows are pointing as shown in the Push Disc Alignment Chart. You may need to wiggle back and forth after snapping in.



Designed for high viscosity products.

Provides extra thrust and power

**Features: TruAir Regulator - 100 psi Max.
plus a dump valve to stop material flow and an
adjustment knob to control the flow.**

SAFETY

This applicator is designed for heavy duty cycles over extended operating periods. As compressed air is used as the power source, operator fatigue is minimal, but it must be remembered that compressed air CAN BE DANGEROUS when used incorrectly. The user should take time to read and understand these operating instructions fully prior to using the applicator. Any modifications to the applicator made by the user will void the warranty and could cause personal injury.

ALWAYS:

- use protective eye & ear equipment when operating.
- wear a face mask or respirator when operating.
- test the forward/reverse function before loading a cartridge.
- disconnect the air supply before starting any maintenance/cleaning tasks.
- make sure cartridge is loaded properly (see f. Below)
- use a new static mixer.
- read the material manufacturer's instructions carefully.
- make sure you have not cross-contaminated the contents of the two cartridges as it may have cured in one of the sides.

continued on reverse

AIR DUAL CARTRIDGE GUN

SAFETY - *continued*

DO NOT:

- connect the applicator to an air supply that can exceed 115 psi.
- immerse the gun in solvent.
- operate the gun with loose, broken, or missing parts.
- carry the gun by the air pipe.
- use damaged cartridges or the wrong type of cartridge in the applicator.
- point the applicator at another person.
- disassemble the handle and adjust the safety valve inside.
- use a static mixer that has material inside it that has cured.
- use partially extruded cartridges unless you use a new static mixer and know there is no cross-contamination.
- use expired material or material that has cured.

CONNECTING

- Check the supply pressure.
- For optimum performance the supply pressure must be greater than 100 PSI and less than 115 PSI.
- The applicator will work at lower supply pressures, but flow rates could be reduced and may vary.
- Connect the applicator to a suitable compressed air source using the fitting supplied, or with a suitable fitting.
- All applicators are fitted with a male 1/4" NPT thread.

GENERAL OPERATING INSTRUCTIONS

A. INTERNAL PRESSURE REGULATOR

The internal pressure regulator controls the sealant flow rate and ensures a stable flow of sealant is maintained. To increase the flow of sealant, turn the knob in the (+) direction. To decrease flow, turn the knob in the (-) direction.

B. TRIGGER

By pulling the trigger (with index and middle fingers), a cushion of compressed air is built up inside the applicator, which starts the flow of sealant. On releasing the trigger, the sealant flow ceases as the compressed air escapes rapidly by a quick exhaust valve at the rear of the gun.

C. FORWARD AIR/REVERSE AIR BUTTONS

Push the "Forward Air" button for extrusion of material. Push the "Reverse Air" button to pull the plunger rods back automatically and to "ready" the applicator for the next cartridge.

GENERAL OPERATING INSTRUCTIONS - *continued*

D. PUSH DISCS

Refer to the enclosed Push Disk Alignment Chart for instructions on how to change to other mix ratios. Using incorrect push discs will damage the applicator, void the warranty and the cartridge will have blow back. Make sure the push discs are snapped in completely before use.

E. SAFETY VALVE

If you hear air leaking from the handle, then your compressor source is exceeding 115 PSI and the safety valve is bleeding off the excess air. You should adjust the source so that it is lower than 115 PSI. **NEVER disassemble the handle and adjust the safety valve.**

NOTE: If the cartridge is improperly made, there is a risk of the cartridge bursting open. For other risks associated with the particular cartridge you are using, BE CAREFUL TO READ ALL OF THE INSTRUCTIONS AND WARNINGS OF THE MATERIAL YOU WILL USE IN THE APPLICATOR. IF YOU HAVE ANY QUESTIONS ON ANY OF THEM, CONTACT THE MATERIAL MANUFACTURER FOR CLARIFICATION.

F. CARTRIDGE LOADING

It is important that the cartridge is seated properly in the applicator frame. If the front of the cartridge is not seated properly, breakage of the cartridge can result. The front face of the cartridge **MUST BE FLUSH** to the front plate of the applicator. If the cartridge does not seat properly, **DO NOT USE.**

Please see additional page for specific instructions on using IES Dual Cartridge products.

PRODUCT AVAILABLE

96215	Manual Dual Cartridge Gun	1/box
96215-221PD	2:1 Conversion Push Disc	1/box

Press release lever and pull plunger rods all the way back.
(Fig. A)

When using a 2:1 ratio product, refer to the conversion instructions for #96212 Manual Gun or the #96215 Pneumatic Gun. Instructions are enclosed with each gun and can also be found online at www.useies.com

Place back end of the twin cartridge onto the plungers first.
(Fig. B)



Figure A



Figure B

Bring down the front of the cartridge and seat into the gun.
(Fig. C)

To remove cap, insert flat head of screw-driver into slot and pry upward. (Fig. D)



Figure C



Figure D

Remove cap completely from cartridge. (Fig. E)
Cap can be re-inserted to seal a partially used cartridge. To avoid cross contamination, match up the circles and squares on the cap and top of the cartridge body.

Tilting the gun back, pump the gun until the product flows equally from both chambers. This procedure equalizes the chambers to insure an equal mix. This is a very important step. (Fig. F)



Figure E



Figure F

Install the static mixer nozzle on the end of the nosepiece and tighten in a clockwise direction until securely fastened. (Fig. G)

Pump material through the mixer nozzle. Discard the first 3 inches of product, then proceed with application. (Fig. H) To retain unused product, remove the mixer nozzle and install the cap into the appropriate sides of the cartridge after use.



Figure G



Figure H