

PNEUMATIC DUAL COMPONENT SEALANT APPLICATOR OPERATING INSTRUCTIONS

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 AND YOU ARE USING THE CORRECT FRONT PLATE
- 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.

DO NOT:

- CONNECT THE APPLICATOR TO AN AIR SUPPLY THAT CAN EXCEED 130 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 130 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.

OPERATING

A. INTERNAL PRESSURE REGULATOR

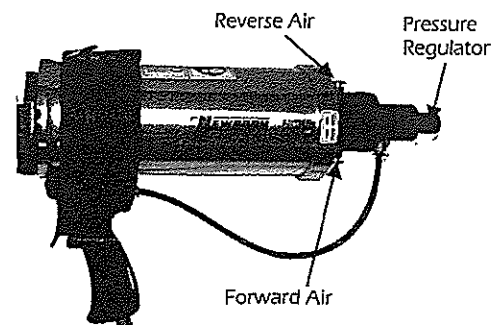
The internal pressure regulator controls the material flow rate and ensures a stable flow of sealant is maintained. To increase the flow of material, turn the knob in the (+) direction. To decrease flow, turn the knob in the (-) direction.

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 material. 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.



D. PUSH DISKS

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

E. SAFETY VALVE

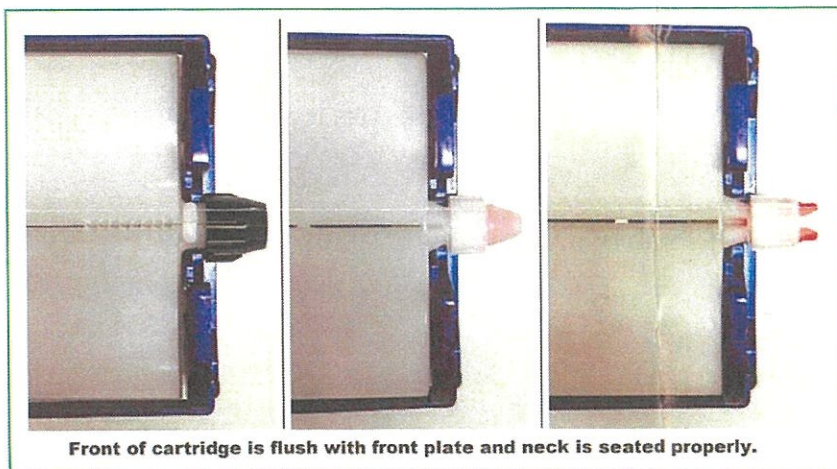
If you hear air leaking from the handle, then your compressor source is exceeding 130 PSI and the safety valve is bleeding off the excess air. You should adjust the source so that it is lower than 130 PSI. **NEVER** disassemble the handle and adjust the safety valve.

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**. Although the picture below showing the incorrect cartridge loading is illustrated with a Sulzer F-System cartridge, the same applies to any cartridge that is not flush with the front plate and does not seat correctly.

WARNING! – Only use the Sulzer F-System cartridges with the appropriate front plate. The front plate is labeled and is dark gray, not blue. If your front plate is not the correct one for your application, contact Newborn for the correct front plate.



CORRECT



INCORRECT

MAINTENANCE

- | | |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Daily | Wipe the applicator using the material_manufacturer's recommended solvent before it has time to set. Special care should be taken to make sure no residue is left on the rods. |
| Weekly: | Check the plungers and 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. |

VR400A83

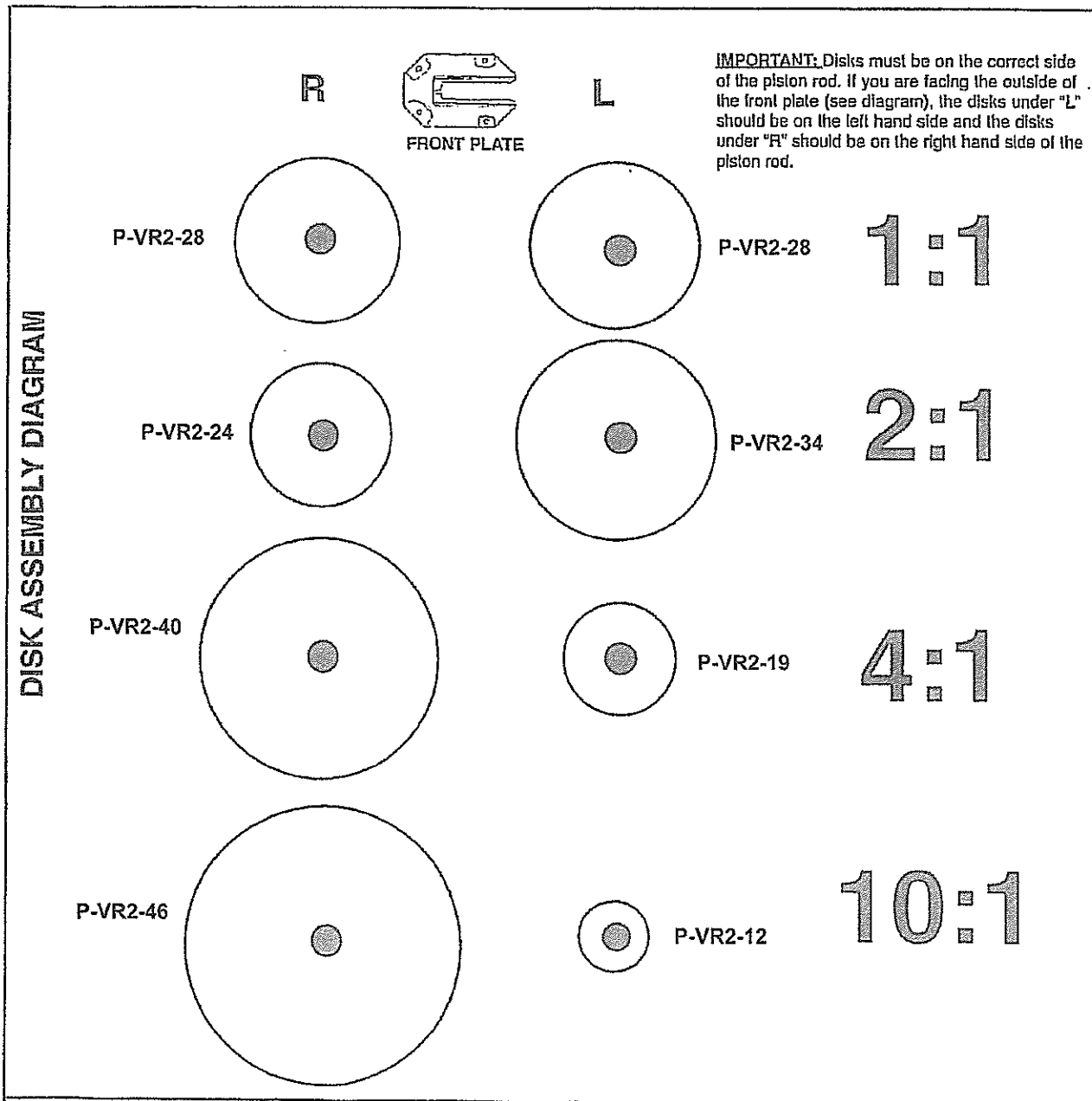
Seam Sealer Applicator for 200 ml Cartridge

Instructions for Removing Push Disks

- 1) Place applicator with knob on floor.
- 2) Put both thumbs on front plate and fingers behind the disk you desire to remove.
- 3) Move fingers forward toward thumbs until disk snaps off rod. If the disk is hard to remove, use a rubber mallet and gently tap until disk becomes loose.
- 4) See **Disk Assembly Diagram** for proper ratio alignment.

Instructions for Attaching Push Disks

- 1) Put socket of push disk over rod shaft.
- 2) Push firmly onto the rod shaft until disk snaps in place. There should be two snapping sounds which will ensure the disks are firmly attached. Some twisting of the push disk may be required to achieve the second snap.
- 3) Both disks should be parallel with each other. This will ensure proper mixing of materials.



VR400A83

Seam Sealer Applicator for 400 ml Cartridge

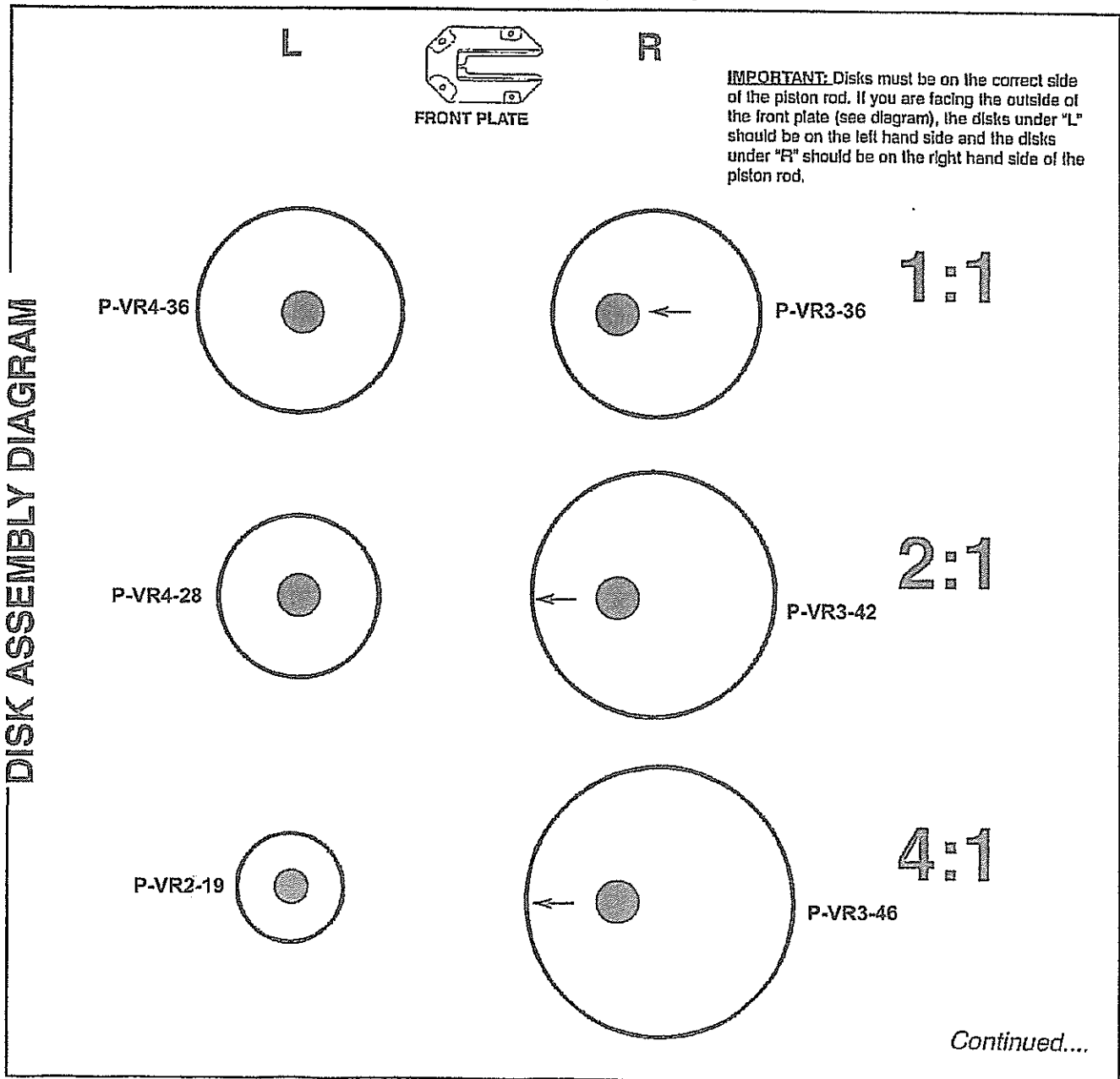
Model VR400A83 comes assembled ready for 1:1 ratio use with 400 ml cartridges. See instructions below for conversions of 2:1, 4:1, and 10:1 cartridge ratio use.

Instructions for Removing Push Disks

- 1) Place applicator with knob on floor.
- 2) Put both thumbs on front plate and fingers behind the disk you desire to remove.
- 3) Move fingers forward toward thumbs until disk snaps off rod. If the disk is hard to remove, use a rubber mallet and gently tap until disk becomes loose.
- 4) See Disk Assembly Diagram for proper ratio alignment.

Instructions for Attaching Push Disks

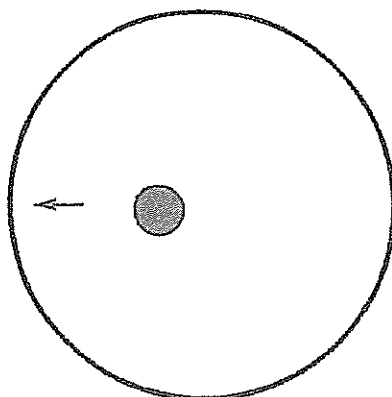
- 1) Put socket of push disk over rod shaft.
- 2) Push firmly onto the rod shaft until disk snaps in place. There should be two snapping sounds which will ensure the disks are firmly attached. Some twisting of the push disk may be required to achieve the second snap.
- 3) Both disks should be parallel with each other. This will ensure proper mixing of materials.



VR400A83

Seam Sealer Applicator for 400 ml Cartridge *(continued)*

P-VR4-15



10:1

P-VR3-56