

GeoCHEM
Incorporated

THE VARI-FLO POLYMER DISPENSER



Low-Pressure, Variable-Flow Rate Polymer Dispenser
for use with our rapid repair polymers.

PARTS LIST



| | | |
|-------------------|----------|-------------------|
| 1. Manifold | 1/8" | 7432218 |
| 2. Elbow-swivel | 1/8" | 5340K51 |
| 3. Elbow | 1/8" | 50925K181 |
| 4. Nipple | 1/8" | 5232T312 |
| 5. RNUT | .531" | 7701113 (165-37N) |
| 6. Mini valve | 1/8" | 4912K76 |
| 7. Reducer | 1/4-1/8" | 9171K213 |
| 8. Check valves | 1/4" | 8549T21 |
| 9. Reducer | 1/8-1/4" | 50925K318 |
| 10. JIC | 1/4" | 6-6-F6XS |
| 11. Swivel | 1/4" | 4-4-FTXS |
| 12. Potentiometer | 5K | 9114 |
| 13. Hose assembly | AB-4 | 55545K83 |

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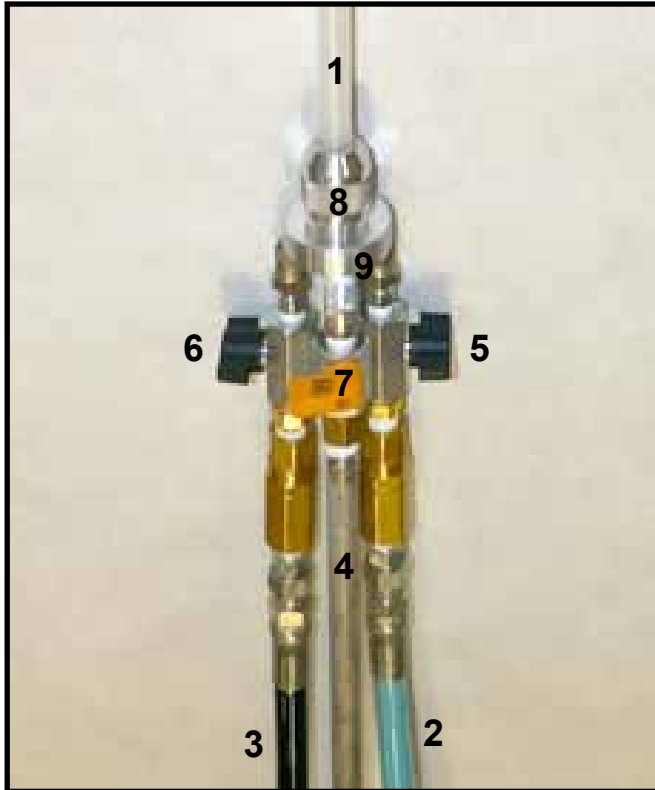
START UP

*** Do Not plug machine into outlet and operate without fluid materials attached to pumping unit. Never operate pumps dry. This can cause severe damage to the pumps.**

1. Check that all fluid and air hose fittings are securely attached. Make sure there are no kinks in the hoses.
2. Do not over-tighten JIC hose swivel fittings. It is not necessary to apply thread tape to JIC fittings.
3. Attach drum hose and clamp to A and B containers, remove any air bubbles by loosening the clamps at the pump inlet and bending the clear tubing.
4. Speed dial on remote should be set at "0". Plug in the main power source. Have a bucket ready for the discharging material. Turn to on and slowly adjust speed dial to 25 to allow pumps to be primed and fill the hoses. After a few seconds, the speed dial may be increased. Check for consistent flow. Close gun valves back into closed position.



GUN ASSEMBLY



1. Static Mixer
2. B-Side Feed Line
3. A-Side feed Line
4. Air Line
5. B-Side Flow Valve
6. A-Side Flow Valve
7. Air Flow Valve
8. Static Mixing Tube Retaining Nut
9. Manifold

SPEED DIAL

The Speed Dial controls the flow of polymer to the static mixing tube. It will always deliver polymer in an even ratio to the static mixing tube. Should polymer go off-ratio, check that the A- and B-side flow regulators (numbers 5 and 6 in the gun assembly diagram) are in the fully-opened position or that there is no obstruction in the polymer lines.



PUMP DIAGRAMS AND CUTAWAYS

