

VARI-FLO POLYMER DISPENSING MACHINE

Roklin's VariFlo machine provides a quick and easy-to-use method for concrete and asphalt repair. There is minimal training required to use the VariFlo machine. The process begins with attaching the hoses, and flushing the lines to check that both flow evenly. When this is complete you are ready to apply your product.

Many Options

The VariFlo machine can be used to repair all types of pavement. While designed for two-part polymers, the VariFlo machine can be used with any 1-to-1 ratio two-part product. VariFlo is available in different sizes and can accommodate different size drums ranging from 5 to 50 gallons.

The two machines that accommodate these various sizes of drums are highly portable. Both machines fit easily into the back of a small truck. The smaller machine can even be hand-lifted. The machine has a low-power consumption and can be run off a small generator or an inverter, needing only 24 volts.



Control and Speed

The VariFlo machine has a variable volume delivery so material can be placed as quickly or as slowly as is needed. The mixing tips are simple to swap and allow for placement in small cracks or flowed across widespread damage. VariFlo applications allow significantly faster placement of materials. It is less labor intensive. The low viscosity material applied with VariFlo allows for easy, controllable flow into cracks or damage of any size, eliminating the need for removal or widening of cracks. VariFlo allows for slab stabilization with no removal, saving time, money and eliminating the need for damaged pavement disposal.

Easy Maintenance and Upkeep

VariFlo is designed with open access to easily-changeable parts. Replacement parts are readily available and easy to install. When done using the machine, flush with Vegetable oil, dispose of mixing tip and store.

Affordable

The VariFlo machine is an inexpensive option to effectively handle pavement repairs. Not only is it more affordable than other machines that perform similar functions, VariFlo is the more affordable polymer repair method. Using the VariFlo machine offers a 20-25% savings over our bucket repair method.



Safe

Enclosed delivery ensures no leaks or spills. Users are not exposed to materials as the drums are connected directly to the hoses and swapped out when they are empty. Workers are on the road for a shorter time so they have much less exposure to traffic.

Overall benefits to using VariFlo:

- Cleaner and faster
- Easier preparation
- Simple training
- Easy process and maintenance
- Safer

VARI-FLO PDM INSTRUCTIONS

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.**



Check that all fluid and air hose fittings are securely attached. Make sure there are no kinks in the hoses.



Do not over-tighten JIC hose swivel fittings. It is not necessary to apply thread tape to JIC fittings



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.



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. Ensure that both drums have equal amounts.



Attach a static mixer to the gun end and secure with the mixer retaining nut and hand tighten.



Open gun valve handle. Turn the machine back to on, increase speed dial to desired flow rate.

OPERATING TIPS

Always vent the drums prior to application. If not vented they will collapse. Always store material closed tightly to prevent moisture contamination.

Before going out to the job site prepare and run the unit with material to ensure proper operation.

Always use a new static mixer when restarting after any break or interruption.

When applying the material be sure to close the gun valves before you air purge the mixer. Regularly purge the mixer when shutting off for more than a minute.

Do not use wet sand or aggregates.

With temperature increases, the material set time will increase. Colder temperatures will reduce it as well. Sand temperature and surface temperature can also be a factor.

Always be sure gun valves are closed first to clean and remove the gun manifold at the end of the day.

Always store the unit indoors at temperatures above 50°F. For more than a week, flush A-side hose with hydraulic oil. Before restarting, flush A-side hose for 2 minutes at a speed of 30.

Replacement parts for the pumps are available. Any work done by unauthorized personnel will negate any warranties.

Distributor

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