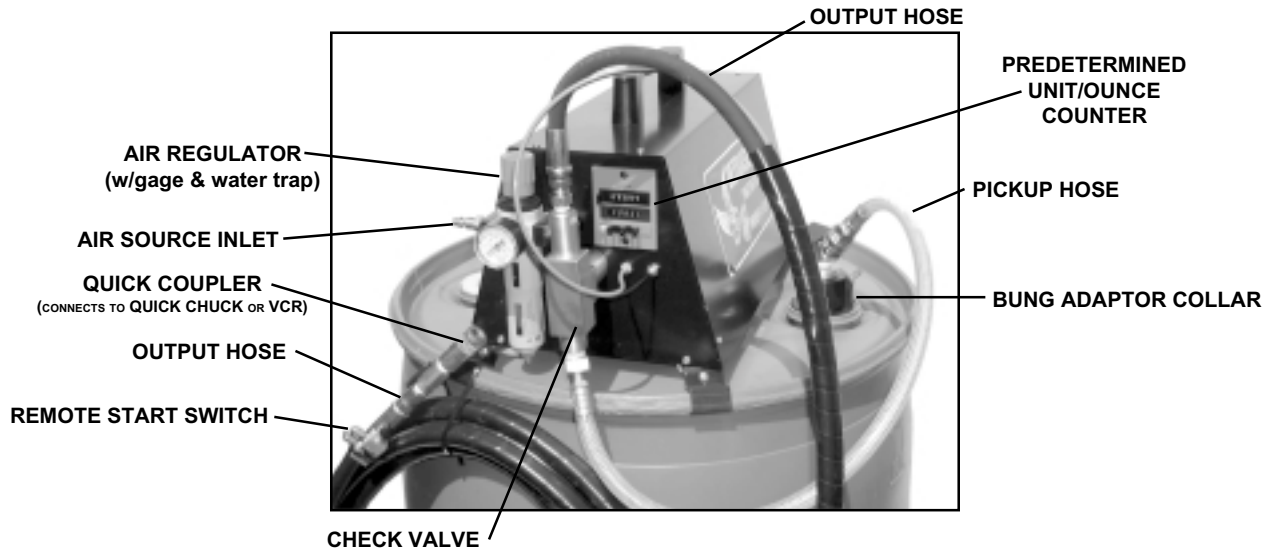


• **AUTOMATIC AIR OPERATED PUMP KIT (Part # 900-46)**



PRIMING THE PUMP

Prior to using a new pump or exchanging an empty drum, it is necessary to prime the pump. Attach the output hose (with quick chuck attached) to the pump/adaptor collar's return spout (screwed into the drum bung). Open the shut-off valve at the end of the output hose (turn lever to the open position, which is in-line with the hose). It is important to crack open (approximately 2 to 3 turns) the second bung on the top of the drum, thereby allowing the drum to vent.

Set the predetermined counter to 100 ounces/units then press the start switch at the end of the output hose. The pump will begin cycling. Within 30 seconds you will see Ultraseal passing through the clear input hose, then through the output hose and recycle back into the drum. The pump will automatically stop when the selected amount has been reached. The pump is now primed. Turn shut-off valve's lever to the closed position (90°).

INSTALLING ULTRASEAL

Review the application charts for the specific amount of Ultraseal required for the tires to be treated.

Set predetermined counter to the desired ounces/units.

Remove the valve core; using either the a) Manual Method (preferred on large trucks and industrial equipment) or b) Deluxe Valve Core Remover tool VCR (for automobiles and light trucks):

a) When manually removing core: Remove valve core with manual core remover, (a small amount of air pressure will be released), then push the quick chuck onto the valve stem. Make certain the connection is secure. With practice, only a small amount of air will be lost.

b) When using the VCR, attach the tool to the quick chuck on the output hose, then clip onto the tire's valve stem, remove the core as described in the installation procedures (in this manual). The air pressure will remain in the tire.

Open the shut-off valve (lever in-line with hose). Push the start switch. The pump will begin cycling. The counter will progress as Ultraseal is being pumped into the tire. When the desired amount is reached the pump will automatically stop and reset. Close the shut-off valve, reinstall valve core, remove tool/hose from tire.

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ROUTINE MAINTENANCE

Flushing the pump and hose assembly after daily use is recommended, especially if the pump is removed from service for more than two days. Set the counter to 100 ounces/units and release the suction hose from the quick disconnect coupler from the pickup tube. Connect the output hose to the return spout on the bung adapter. Open the shut off valve and press the start switch. This will expel all of the Ultraseal from the system and into the drum. Next, Set a small water bucket next to the drum and drop the ends of the input and output hoses in. Press the start switch. This will flush the system. Finally, remove the input hose from the water and press the start switch. This will purge the water from the system. Reconnect the input hose, rollup the output hose and disconnect the air source. Pump will need re-priming when returned to service

CLEARING RESTRICTIONS IN OUTPUT HOSE

Attach output hose/quick chuck to Adapter Collar's return spout and start pump. This allows the system to work without back pressure clearing any restrictions.

CLEANING THE PUMP CHECK VALVE

Remove the input and output hoses from the check valve housing. Loosen the two Barrels (which have been machined with wrench flats to facilitate dismantling) that are attached to the top and bottom of the check valve housing using a 7/8" wrench. There is one stainless steel ball resting in the top of the housing and one resting in the top of the lower barrel. Carefully remove the lower barrel to avoid dropping the ball. The upper ball may be pushed up and out of the housing from the bottom using the flat end of a pencil or wooden dowel (do not use metal objects). Metal objects may damage the barrels. Clear any remaining residue with a small blast of air or water. This will clear any restriction that may have developed. Carefully reassemble the check valve (do not over tighten). Reprime pump.

NOTE: This is an infrequent procedure and is only required if Routine Maintenance is not performed as recommended.

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