

TubeShark

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Instruction manual

Commercial Power Unit



Bend, Oregon

(541) 382-1573

OPERATIONG INSTRUCTIONS

FOR

COMMERCIAL POWER UNIT

Congratulations on your purchase of our Commercial Power Unit.

Your new power unit is shipped fully assembled and filled with fluid. All that is required to get you running is to remove the solid plug in the top of the reservoir and replace it with the plastic vented cap in the attached bag. Save this plug in case you need to ship this unit in the future. Tighten the vent cap by hand just until snug. Your power unit has been wired for 110 volts. If your motor has been wired for 110V, a minimum 20-amp circuit is required. If a lighter circuit is used the circuit breaker may be thrown during start-up. The motor may be wired for 110V or 220V by a qualified electrician. This motor is single phase only.

Your power unit is equipped with (2) pressure bypass valves. These valves protect the system from over pressurizing. One is on the control valve under the back acom nut, and the other is on the pump behind the aluminum cap. These valves have been carefully calibrated at our factory before shipment to ensure proper operations. **DO NOT REMOVE THE COVERS TO THESE VALVES, OR MAKE ANY ADJUSTMENTS TO THEM, DOING SO MAY DAMAGE THE UNIT OR CAUSE PERSONAL INJURY! YOUR WARRANTY WILL BE VOIDED IF THESE CAPS ARE REMOVED!**

SAFETY:

Always wear safety glasses when operating this equipment. Avoid prolonged contact with hydraulic fluid. Do not operate this unit in the rain or around standing water. Never pressurize the hose to the bender unless it is attached to the bender.

OPERATION:

1. Clean the hose connectors on the cylinder and the hose.
2. Attached the hose to the bender cylinder. Your commercial unit comes standard with a double acting Parker QD coupler. To install push hose end into cylinder then hand tighten nut until it seats the coupler. Always give the hose a tug to be sure the connection is complete.
3. Check the fluid level before each use (see below).
4. Flip the switch on the pump motor to the up (on) position.
5. To move the cylinder forward, pull back on the control lever.
6. To retract the cylinder, push forward.
7. The valve has a spring return to center features. The center position is the "hold" position.

Note: The first time the unit is ran, the operation of the cylinder may be notchy until the air is purged from the system. Cycle the cylinder out and back two or three times to purge the air. The cylinder movement should then be smooth and controllable.

CHECKING FLUID LEVEL:

1. With the hose attached to the bender, power the ram out and back a couple of times to purge any air.
2. Remove the filler cap from the top of the reservoir and check the fluid level with the dipstick provided.
3. If the level is below the mark, add fluid (with high quality hyd oil) to bring it back up. Do Not OVERFILL!!!

ROUTINE SERVICE:

Unplug the unit before performing any service. The fluid and filter should be changed at regular intervals depending on the amount of use and type of environment. A minimum 12-month interval is advised. Use good quality 10 or 15 weight hydraulic oil. From the factory your pump is filled with Chevron AW-46. The filters are standard units designed for hydraulic use. These are available from any hydraulic supply house or from GRB. Follow the instructions below exactly.

1. Loosen the filter just until air begins to suck into the unit. This will allow trapped fluid to return to the reservoir.
2. Disconnect the hose from the bender and elevate it so that any fluid will return to the reservoir.
3. Remove the motor mounting bolts and raise the motor unit onto a block so that a pan can be placed under the reservoir.
4. A suction pump may be used to remove most of the fluid through the filter hold if desired.
5. Remove the small (4) bolts that secure the reservoir to the pump.
6. Carefully pull and pry the reservoir off of the pump. This is a tight fit because there is a large O-ring that the reservoir fits over. Work it evenly all the way around.
7. Let the fluid drain completely.
8. Remove the reservoir and clean the interior, including the magnet.
9. Remove the pick-up and carefully clean the brass screen in solvent and blow dry from the inside. Make a note of the angle of the pick-up before removal and replace it at the same angle.
10. Put a light coat of Shark Grease or white grease on the O-ring to ease installation of the reservoir. Do not forget to replace the magnet.
11. Align the holes on the flange and push the reservoir back into place. Replace the (4) bolts.
12. Re-attach the motor to the frame.
13. Remove the filter and discard. Fill the new filter with fluid and put a little fluid on the rubber seal. Hand tighten only

14. Fill the reservoir with fresh fluid ½" above the mark on the dipstick.
15. Now follow the instruction under Checking fluid level.

Check for signs of wear in the power cord and hose. Check the fittings for leakage.

WARRANTY:

This power unit is warranted to be free of defects in manufacturing and materials for (1) year from the date of purchase. Proof of purchase date may be required. Please contact GRB for any warranty claims. A return authorization must be obtained before returning any equipment for warranty work. This warranty does not cover consequential damages, and is limited to the repair or replacement of the unit purchased.

SPECIFICATIONS:

Dimensions: 12x24x35H

Weight: 95lbs.

Fluid Delivery: .95GPM at @,500PSI, #000PSI Max.

Electrical: 115V or 230V AC, Single Phase Motor, @HP

Frame: Welded Steel, Power Coat Finish

Fluid: AW 46