

Fault Description: The usual symptoms of a pump and ram combination with air in the system are as follows.

- No advance in the ram/ram's stroke while operating the pump.
- Air motor operates rapidly but no movement of the Ram/Rams.
- Ram jumps forward while being advanced.
- A Ram will not fully retract.

Bleeding Procedure

1. Depressurise pump and disconnect hydraulic coupler and hose from the attached implement.
2. With pump in its upright, horizontal position, remove the oil filler plug located on the top plate of the reservoir. Use a small funnel to fill reservoir to within 19mm of the opening. Wipe up any spilled fluid and reinstall the oil filler plug.
3. Connect the pump air supply and place the pump on a bench with the hose hanging off the bench top.



4. Depress the pump pedal end marked "pump" position for 5 seconds to allow the pump to operate, stop depressing the pedal at 5 seconds then leave the pump and hose for 10 seconds for trapped air to settle. Repeat this procedure 5 times, then check oil level as described in step 2.

Note: The Pump should stall when all air has been removed from the pump valve and hose assembly.



At this point the Pump Assembly should be bled off air, however if the symptoms described at the beginning of this instruction persist repeat steps 1 to 5.

*The TradeQuip range of air/hydraulic pumps use grade 32 Grade Hydraulic Oil for the correct operation and compatibility with the seals used in their construction.