



## HZ SERIES FILL AND VENT PROCEDURE – HFP-2

1. Fill the HFP-2 fill unit with ISO 32 oil or equivalent.
2. Remove the black rubber dust cover from the cylinder fill coupling.
3. Retract the cylinder rod (energize B2). Do not block in retracted position, rod will extend during fill procedure.
4. Remove all air pressure from unit.
5. Depress the inner ring on the fill unit coupling to allow oil to flow. Repeatedly depress the fill unit handle until all air has been vented from the fill unit tubing. Close coupling.
6. Connect fill unit to fill coupling on cylinder.
7. Repeatedly depress the fill unit handle until the handle becomes difficult to depress indicating the unit is full. See notes. Do not allow the fill unit can to get completely empty. Refill as necessary.
8. Disconnect the fill unit from the cylinder.
9. Remove the fill line and coupling from the HFP-2 fill unit.
10. Place the end of the fill line into a container of suitable size. Connect the fill coupling to the cylinder.
11. Retract the cylinder rod (energize B2). See notes.
12. Remove all air pressure from unit.
13. Disconnect the fill unit from the cylinder.
14. Repeat steps 5 thru 13 until no air is noticed when purging the cylinder in step 11.



Note: Units with a serial number higher than 13800 should be fully retracted. Units with a serial number lower than 13800 should be filled with oil until the WF dimension (distance from the bottom of the flange to the rod end) is 1.50" for 1, 2, 4, and 8 ton units or 1.75" for 10, 15, and 20 ton units. Always remember that air will travel to the highest point in any system. The unit must be vertical during this procedure.