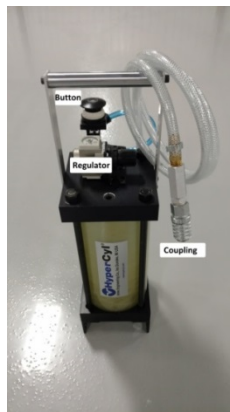




HZ SERIES FILL AND VENT PROCEDURE – HFP-1

1. Fill the HFP-1 fill unit with ISO 32 oil or equivalent, leaving enough room to drain the cylinder.
2. Attach air line to HFP-1, set regulator to 40 psi.
3. Remove the black rubber dust cover from the cylinder fill coupling.
4. Retract the cylinder rod (energize B2 port). Do not block in retracted position, rod will extend during fill procedure.
5. Remove all air pressure from unit.
6. Depress the inner ring on the fill unit coupling to allow oil to flow. Depress the fill unit button and hold depressed until step 8. Once all air has been vented from the fill unit tubing, close coupling.
7. Connect fill unit to fill coupling on cylinder. Do not allow the fill unit can to get completely empty. Refill as necessary.
8. Once oil has stopped flowing from the fill unit release button and allow air pressure to equalize. See notes.
9. Retract the cylinder rod (energize B2). See notes.
10. Remove all air pressure from unit.
11. Disconnect the fill unit from the cylinder.
12. Repeat steps 6 thru 11 until no air is noticed in fill unit tubing during step 9.



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.