

L2628 Rev. B 02/07

**To Protect Your Warranty, Use Only ENERPAC Hydraulic Oil.**

Enerpac recommends that all kit components be installed to insure optimum performance of the repaired product.

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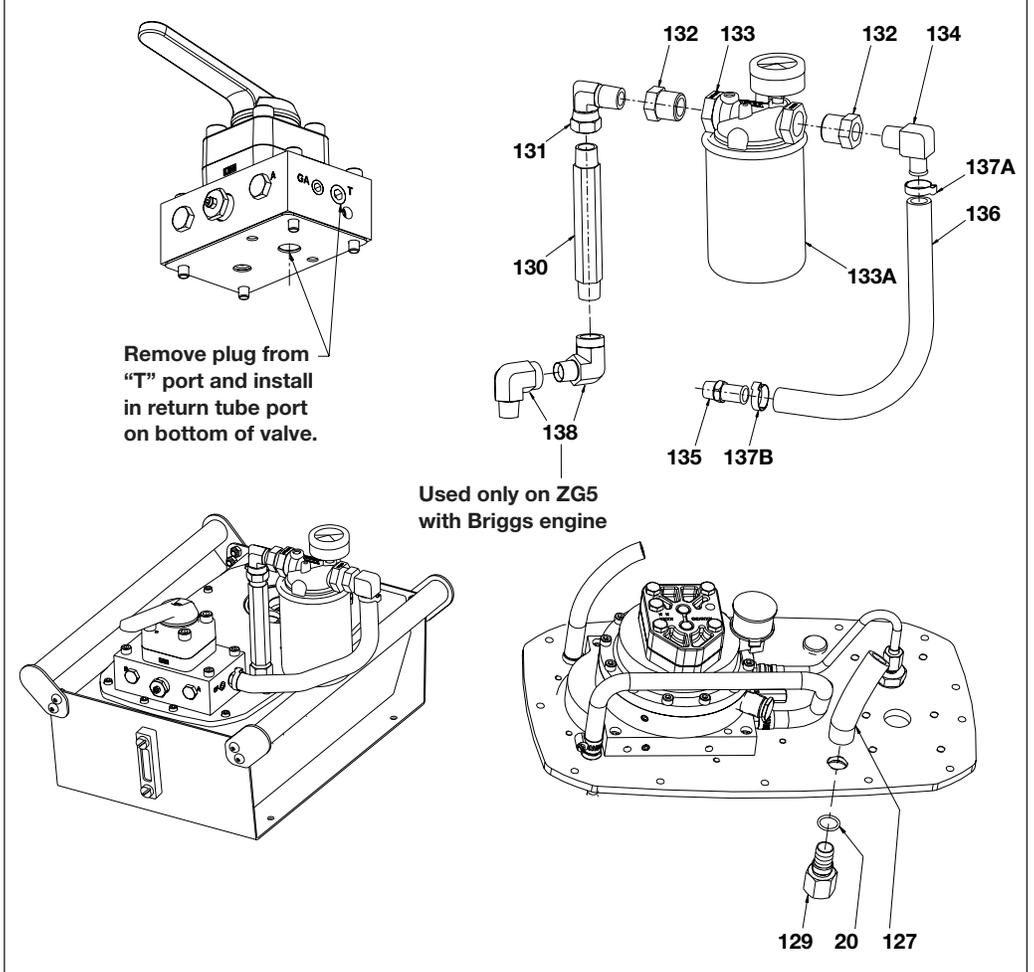


Figure 1 - ZPF High Flow Filter Kit

**Repair Parts List for Figure 1**

| Item | Part Number | Qty. | Description                   | Item | Part Number  | Qty. | Description                    |
|------|-------------|------|-------------------------------|------|--------------|------|--------------------------------|
| 20   | B1908503    | 1    | O-Ring                        | 133A | DC3076118    | 1    | Filter Element - PF25          |
| 127  | DC8046646   | 1    | Hose, Return 5/8"             | 134  | DC8036038    | 1    | Fitting, 90° 1/2" NPT to 5/8"  |
| 129  | DC8035038   | 1    | Adapter, 5/8" hose, 1/2 NPT   | 135  | DC8184097    | 1    | Fitting, 5/8" Hose to 3/8" NPT |
| 130  | DC8120268   | 1    | Steel Pipe, 1/2"              | 136  | DC8188646    | 1    | Hose, 5/8", 10.5" Long         |
| 131  | DC8126095   | 1    | Sw Fitting, 90° Elbow, 1/2"   | 137A | DC8038299    | 1    | Clamp, Hose                    |
| 132  | F100095-50  | 2    | Reducer, 3/4" NPT to 1/2" NPT | 137B | DC8038299    | 1    | Clamp, Hose                    |
| 133  | DC3077900   | 1    | Filter Head and Gauge Assy    | 138  | ★ F100095-45 | 2    | Fitting, 90°                   |

**Note:** Parts shown above are included in the ZPF High Flow Filter Kit. This kit is to be used on pumps manufactured after March 1, 2007. When ordering filter parts for older pumps, refer to Figure 2 on the next page.

★ Used only on Model ZG5 with Briggs Engine.

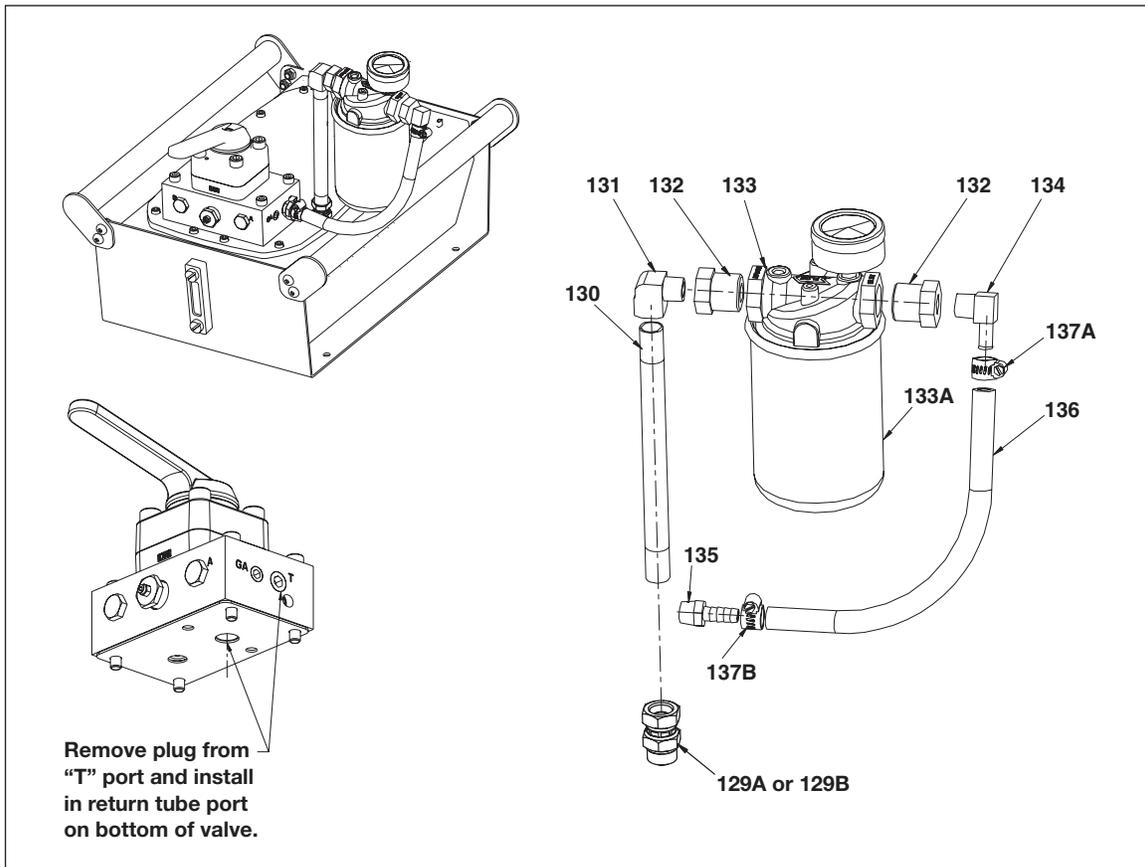


Figure 2 - ZPF Standard Filter Kit

| Repair Parts List for Figure 2 |             |      |  |
|--------------------------------|-------------|------|--|
| Item                           | Part Number | Qty. | Description                                |
| 129A                           | DC1453096   | 1    | Adapter, 3/8" NPTF to 3/8" NPTF            |
| 129B                           | DC9890096   | 1    | Adapter, 3/8" NPTF to SAE #8               |
| 130                            | DC3074768   | 1    | Steel Tube                                 |
| 131                            | CN330096    | 1    | Swivel Fitting, 90° Elbow, 1/2"            |
| 132                            | F100095-26  | 2    | Adapter 3/8" NPTF Female to 1/2" NPTF Male |
| 133                            | DC3077900   | 1    | Filter Head and Gauge Assy                 |
| 133A                           | DC3076118   | 1    | Filter Element, 25 Micron - PF25           |
| 134                            | PA2029097   | 1    | Fitting, 90° 1/2" NPT to 5/8" hose         |
| 135                            | F10097-17   | 1    | Fitting, 5/8" Hose, Straight 3/8" NPT      |
| 136                            | DC9643646   | 1    | Hose, 5/8", 13" Long                       |
| 137A                           | DC9639299   | 1    | Clamp, Hose 3/8" - 7/8"                    |
| 137B                           | DC9639299   | 1    | Clamp, Hose 3/8" - 7/8"                    |

**Note:** Parts shown above are included in the ZPF Standard Filter Kit. Effective March 1, 2007, this kit will be replaced by the ZPF High Flow Filter Kit shown in Figure 1.

## OIL FILTER KIT ASSEMBLY INSTRUCTIONS

### ZPF High Flow Only:

Assemble the ZPF High Flow Filter Kit as described in the following steps. Refer to Figure 1 for part descriptions and locations.

**Note:** Use Loctite #592 on all pipe threads. Items 130-136 are pre-assembled at the factory prior to shipment.

1. Remove the valve from the pump cover plate. Remove the return tube (not shown) from bottom of valve. Discard the return tube.
2. Remove the 3/8" NPTF plug from the "T" port on the side of the valve and thread it into the bottom of the valve block in place of the return tube.
3. Thread the hose fitting (item 135) into the "T" port on the side of the valve that the plug was removed from in step 2.
4. Reinstall the valve onto the pump cover plate.
5. Remove the SAE #8 plug from the top of the cover plate. Install O-ring (item 20) and adapter fitting (item 129).
6. Remove the pump assembly from the reservoir.
7. Press the hose (item 127) onto the adapter fitting (item 129).
8. Reinstall the pump assembly onto the reservoir.
9. All models except ZG5 with Briggs engine: Thread the steel pipe (item 130) into the adapter fitting (item 129).
10. Model ZG5 with Briggs engine only: Thread the first elbow (item 138) into the adapter fitting (item 129). Install the second elbow (item 138). Thread the steel pipe (item 130) into the second elbow.
11. Tighten the swivel fitting (item 131) onto the steel pipe (item 130).
12. Place the hose clamp (item 137B) around the hose (item 136). Press the hose onto the hose fitting (item 135) at the valve block.
13. Tighten the hose clamp (item 137B).
14. Operate the pump and check for leaks.

### ZPF Standard Only:

Assemble the ZPF Standard Filter Kit as described in the following steps. Refer to Figure 2 for part descriptions and locations.

**Note:** Use Loctite #592 on all pipe threads. Items 130-136 are pre-assembled at the factory prior to shipment.

1. Remove the valve from the pump cover plate. Remove the return tube (not shown) from bottom of valve. Discard the return tube.
2. Remove the 3/8" NPTF plug from the "T" port on the side of the valve and thread it into the bottom of the valve block in place of the return tube.
3. Thread the hose fitting (item 135) into the "T" port on the side of the valve that the plug was removed from in step 2.
4. Reinstall the valve onto the pump cover plate.
5. Remove the plug (3/8" NPTF or SAE #8) from the top of the cover plate. Thread the adapter fitting (item 129A or 129B) into the open port.
6. Thread the steel tube (item 130) into the adapter fitting (item 129A or 129B).
7. Place the hose clamp (item 137B) around the hose (item 136). Press the hose onto the hose fitting (item 135) at the valve block.
8. Tighten the hose clamp (item 137B).
9. Operate the pump and check for leaks.

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