

Kit No. 3430-0197

Valve Kit for Series 5300, 5321, 5322 and
5324 Small Twin® Piston and Plunger Pumps

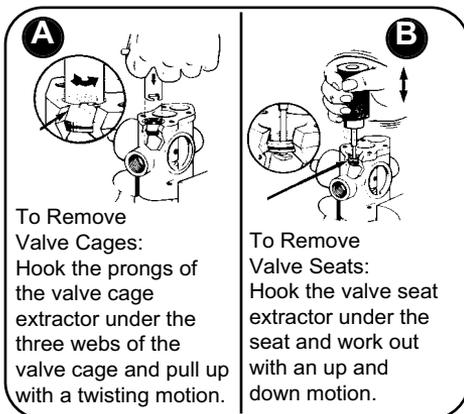
 **California Proposition 65 Warning** -- This product and related accessories contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

DISASSEMBLY AND ASSEMBLY INSTRUCTIONS

For more detailed information on the repair procedures for Hypro Piston Pumps, please refer to Hypro Form No. L-0200P that was shipped with your pump. If you do not have a copy of Form 200P and would like to get one, please call your local dealer or Hypro at 800-424-9776 and ask for the Customer Service Representative for your area.

Disassembly

1. Secure the pump in a bench-mounted vise and remove the cylinder head bolts using a 9/16" wrench. Remove the cylinder head.
2. Squirt a few drops of penetrating oil around the circumferences of each valve cavity to help loosen the valve seats.
3. Remove the unitized valve assembly from the pump body using the valve cage extractor (No. 3010-0052) shown in Fig. A and the valve seat extractor (No. 3010-0071) shown in Fig. B.

**Assembly**

NOTE: Valve assemblies are identical for both inlet and outlet. The direction they are placed into the pump body determines their function. For inlet side valves, the plastic valve cage portion faces up (Fig. C). For outlet side valves, the metal valve seat portion should be facing up (Fig. D).

1. Apply a light coating of oil to the valve cavity walls in the pump body and to the outer diameter of the valve assemblies, including o-ring in the valve seat groove.
2. Carefully ease the valve into the cavity (avoid cutting the o-ring). Press down until the valve assembly is flush with the top of the cavity.
3. Place the cylinder head on the pump, making sure the o-ring in the head is in place and not damaged.
4. Insert the head bolts and tighten securely in a crisscross fashion.

