



A DIVISION OF KINETIFLO GROUP

CM Pump Disassembly

1. Remove the reducer, (9), from the discharge end of the pump. Remove clamp bolts from stator support, (38), and pull off the top half of stator support from stator, (21). Place temporary support under suction housing, (2), such as a block of wood. Remove the bottom half of the stator support, (38).
2. Use a pipe wrench to remove the stator, (21), from the suction housing, (2). Pull stator, (21), off the rotor, (22).
3. Remove two drive pin retainer screws, (54), with allen wrench and remove driveshaft pin, (46), by pushing pin through collar, (49).
4. Slide collar, (49), back to packing gland, (41).
5. Remove two drive pin washers, (73). It is best to use new drive pin washers when re-assembling.
6. Pull rotor assembly out of driveshaft, (26).
7. To dis-assemble rotor and connecting rod, press the rotor band, (50), off rotor, (22), push the rotor pin, (45), out of the rotor, (22), then pull connecting rod, (25) out of the rotor, (22). To reassemble rotor and connecting rod, use new connecting rod washers, (53).
8. Remove the four cap screws from bearing cover plate, (34).
9. We recommend using a press to remove driveshaft, (26) and bearing assembly from bearing housing, (5). If press is not available insert a small rod into driveshaft, (26), through suction housing, (2), and drive the bearing assembly and driveshaft out of bearing housing, (5).
10. To disassemble driveshaft, (26) and ball bearings, remove lock nut, (58), and washer, (59), then press bearings, (29 and 30), and bearing spacer, (33), off the driveshaft, (26). When reinstalling bearings, (29 and 30), they should be packed with good anti-friction bearing grease.
11. Remove the two packing gland bolts and packing gland, (41).
12. Disassemble the suction housing, (2) from the bearing housing, (5) by removing the 4 bolts.
13. Remove packing, (42) and note how the packing rings are staggered. When repacking, stagger the ends of packing. Remove lantern ring, (57), and packing gland insert, (65).
14. Press out the radial grease seal, (61), from the bearing housing, (5) and the thrust grease seal, (62), out of the bearing cover plate, (34).
15. To reassemble, reverse the above procedure.

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