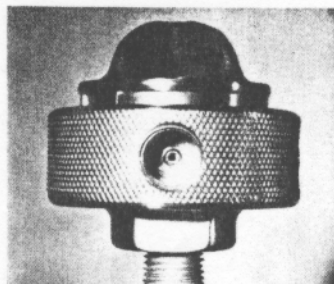


## MAINTENANCE INSTRUCTIONS FOR NO. 124 MGM CONTROL VALVE

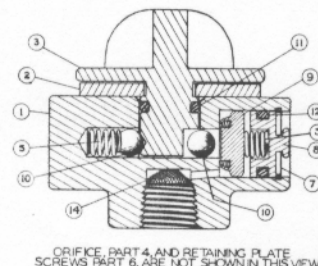
NO. 124 MGM CONTROL VALVE IS AN ALL STAINLESS STEEL CONTROL VALVE FOR SLIP TUBE LIQUID LEVEL GAUGES.

The following instructions apply when there is no pressure on the tank. If the tank is under pressure, the control valve can be removed from the rod for servicing. The check valve will retard the flow and a pipe cap can be screwed onto the top of the rod until the control valve is ready for replacement.



### TO CLEAN ORIFICE:

- A. Insert a 5/64" Allen set screw wrench into the hexagon hole of the Orifice, Part 124-4. Unscrew the orifice.
- B. Clean the hole in the orifice with a small instrument which will not enlarge the hole, preferably a No. 54 drill.
- C. Be sure to replace the orifice. **THE GAUGE WILL NOT WORK PROPERLY WITH THE ORIFICE OUT OF THE CONTROL VALVE.**



### TO REPLACE VALVE DISC ASSEMBLY:

1. Turn valve to "CLOSED" position. Remove the Snap Ring, Part 124-7, with a pointed instrument or by pinching the ends together with snap ring pliers\*.
2. Pull Closure Plug, Part 124-8, by grasping the small knob. Remove Spring, Part 124-5, and Valve Disc Assembly, Part 124-9. Be sure the Ball, Part 124-10, does not roll out.
3. Clean valve seat with cloth. If necessary, push a small piece of emery cloth against the seat with the end of a stick and give it a rotating motion. Clean the hole and snap ring thoroughly.
4. Clean all parts which are in good condition, put a new seal ring in the groove of the closure plug, and be sure the snap ring is not bent. If necessary, replace with a new snap ring.
5. Replace the ball in the small hole against valve stem. If the ball is inclined to roll out, raise the gauge rod high and spring it in a direction away from the hole. This will slant the hole enough to allow the ball to remain in place.
6. Insert a new valve disc assembly. Fit spring into the closure plug and insert into the hole against the valve disc assembly. If the closure plug is tipped backward slightly, the spring can be fitted over the projection on the valve disc assembly without falling out of the closure plug. The spring is in its proper location if the closure plug can be pushed in far enough to expose the full width of the snap ring groove.
7. Insert snap ring and make sure it seats to the bottom of the groove. Pull the closure plug outward against the snap ring.

### TO REPLACE VALVE STEM PACKING:

8. Turn Valve Stem, Part 124-3, until one of the Screws, Part 124-6, can be reached with a screw driver through the hole in the top of the stem. Remove the screw. Turn the valve stem half-way around and remove other screw.
9. Slip the Retaining Plate, Part 124-2, out from under the stem.
10. Pull the valve stem out of the body.
11. Remove the Packing, Part 124-11. See that the valve stem and inside of body are clean. Snap a new packing ring into the groove.
12. Place balls in their respective places\*\* in the body.
13. Position the stem with the word "CLOSED" directly over the arrow on the body and push the stem downward into the body as far as it will go. Then turn it half-way around and push further downward. This should seat the balls in their proper places.
14. Slip the retaining plate into position and replace both screws tightly.

\*These pliers can be furnished by MGM.

\*\*If the balls cannot be held in place, a small amount of medium grease may be used to prevent rolling. Be sure the grease used is soluble in the liquid contained in the tank. Do not use the tank gauge lubricant.

