

Bladder Type

1. Remove gas valve or valve core from new bladder.
2. Lubricate the inside of the shell and the outside of the bladder with clean system fluid. Also pour additional amount of fluid in the shell to act as a cushion.
3. Attach the bladder pull rod (as per Stauff Repair Kit Part # STA-R-1) to the bladder stem. Pull the rod and bladder through the shell fluid port. Pull bladder stem out through the valve stem opening on the opposite end of the shell.
4. Slide the nameplate and lock nut over the pull rod and thread onto the bladder stem. Tighten lock nut. Remove the bladder pull rod.
5. Slide the plug/poppet (poppet first) into the accumulator shell. Fold the anti-extrusion ring in half and slide it through the oil port opening. Place the anti-extrusion ring on the plug and poppet assembly with its stainless steel ring facing toward the shell opening.
6. Pull plug through accumulator shell opening. Using both hands, pull plug hard until it seats into position on shell opening.
7. Install gas valve or valve core into bladder stem. Using dry nitrogen, SLOWLY inflate the bladder bag with 5-10 psi of pressure to set and hold plug and poppet assembly in place.
8. Install metal washer onto plug and poppet assembly. Push into shell opening until bottomed out.
9. Install “O”-ring over plug and poppet assembly and push into shell opening until bottomed out. DO NOT ROLL OR TWIST O-RING WHEN INSTALLING. Lubricate “O”-ring with system fluid or grease before installation.
10. Install back-up and spacer with small shoulder towards the accumulator shell.
11. Install lock nut on plug and poppet assembly and tighten securely with a spanner wrench.
12. Replace bleeder plug into plug and poppet assembly.
13. For pre-charging refer to “Pre-charging Procedure” for bladder type.