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BR Accumulator Accessories, Inc.

8524 Hwy 6 N., Unit 260, Houston, TX 77095

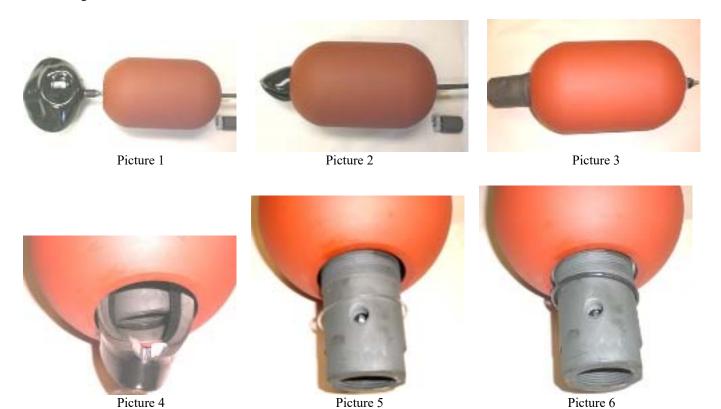
Phone: 281 550 5525 Fax: 281 550 3002

Bladder Accumulator Maintenance

Standard Bottom Repairable

Assembly:

- 1. Make sure that the shell, the bladder and all other components are clean and free of dirt.
- 2. Generously spray the inside of the shell with system fluid.
- 3. Apply system fluid on the top portion of the collapsed bladder.
- 4. Pull bladder through after attaching the pull rod which should already have been fed through the gas port end of the shell.
- 5. Screw the jam nut on the valve stem and tighten. Detach the pull rod.
- 6. Place the semi-assembled fluid port inside the shell.
- 7. Fold the Anti Extrusion ring, the rubber part facing the fluid port already in the shell.
- 8. Pull the fluid port through the Anti Extrusion ring and through the shell end hole firmly.
- 9. Slip the metal washer over the fluid port and inside the lip of the shell.
- 10. Place the O-Ring behind the metal washer taking the kinks out using a flat head screw driver.
- 11. Place the O-Ring Back-up behind the O-Ring, curved side facing the O-Ring. There is no O-Ring Back-up for accumulators under 2.5 gallon.
- 12. Slowly, using a charge and gauge assembly insert about 20 PSI of Nitrogen gas inside the bladder, then un-engage the charge and gauge assembly from the bladder.
- 13. Make sure the O-Ring Back-up, or the O-Ring is not wrinkled.
- 14. Place the spacer and lock nut on the fluid port.
- 15. Screw the bleeder plug in to the bleeder hole.
- 16. Tighten the lock nut.



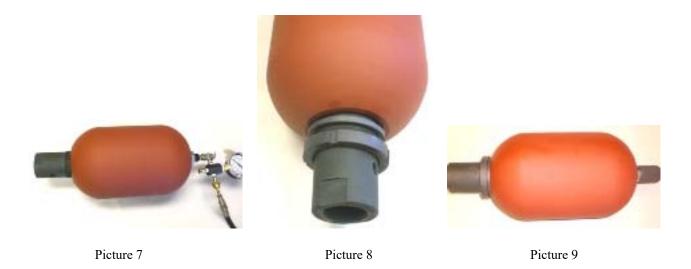
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Bladder Accumulator Maintenance Continued



Disassembly:

- 1. Isolate the accumulator from the system.
- 2. Place a charge and gauge assembly on the bladder and take the Nitrogen gas out.
- 3. Dismount the accumulator from the system.
- 4. Unscrew the fluid port lock nut and remove the fluid port and related parts from the accumulator.
- 5. Remove the valve core from the bladder.
- 6. Remove the Nitrogen gas.
- 7. Place the pull rod on the valve stem.
- 8. Take the jam nut out.
- 9. Take out the bladder.

Note: Make sure there is enough air flows through the repair area if Nitrogen gas is released in to the atmosphere to avoid possible health problems, or asphyxiation.