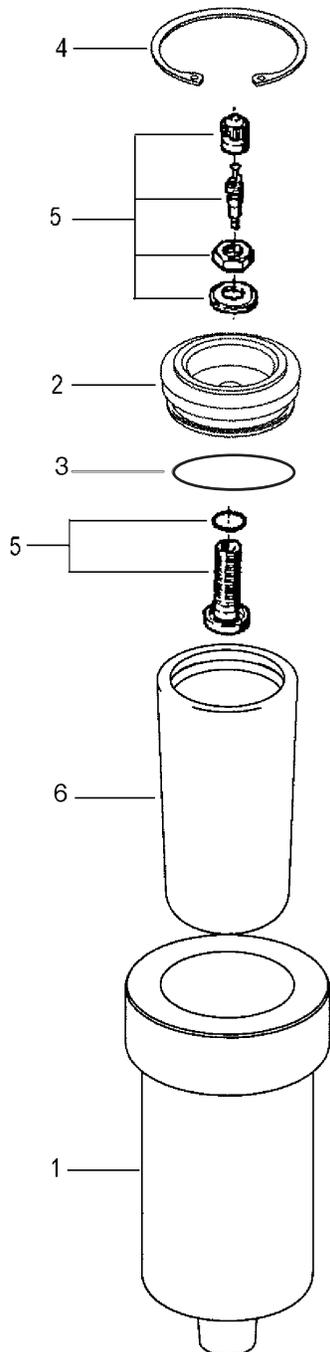


# Models

## Rebuildable Stainless Steel Accumulators

**22050A/22050A-0033/22050A-5100/  
22155A/22155A-5100**



| ITEM # | PART #      | DESCRIPTION   | QTY |
|--------|-------------|---|-----|
| 1      | 22051B      | Body 316 S.S.<br>(22050A / 22050A-0033 / 22050A-5100)   | 1   |
| 1      | 22154B      | Body 316 S.S. (22155A / 22155A-5100)  | 1   |
| 2      | 22052B      | Top, 303 S.S.<br>(22050A / 22050A-0030 / 22155A)  | 1   |
| 2      | 22052B-0100 | Top, 316 S.S.<br>(22050A-5100 / 22155A-5100)  | 1   |
| 3      | 05640       | O-Ring (except 22050A-0033)   | 1   |
| 3      | 05640-0003  | O-Ring, EPDM (22050A-0033 only)   | 1   |
| 4      | 22054A      | Snap Ring   | 1   |
| 5      | 22036       | Valve Assembly*   | 1   |
| 6      | 22028       | Bladder (22050A / 22050A-5100)  | 1   |
| 6      | 22025-003   | Bladder (22050A-0033)   | 1   |
| 6      | 22029       | Bladder (22155A / 22155A-5100)<br>*(Sold only as one unit and includes<br>valve, valve core, nut, valve cap<br>o-ring and washer) | 1   |

### OPERATING CONDITIONS

|  |                 |
|--|-----------------|
| <b>Maximum Flow</b><br>(22050A/22050A-0033/22050A-5100): | 12 GPM          |
| <b>Maximum Flow (22155A/22155A-5100):</b>                | 30 GPM          |
| <b>Maximum Pressure:</b>                                 | 3000 P.S.I.     |
| <b>Maximum Temperature:</b>                              | 200 °F          |
| <b>Maximum Pressure Precharge:</b>                       | 1500 P.S.I. Max |
| <b>Connection</b><br>(22050A/22050A-0033/22050A-5100):   | 1/2" MNPT       |
| <b>Connection (22155A/22155A-5100):</b>                  | 3/4" MNPT       |
| <b>Capacity</b><br>(22050A/22050A-0033/22050A-5100):     | 6.75 cu in.     |
| <b>Capacity (22155A/22155A-5100):</b>                    | 9.1 cu in.      |
| <b>Burst Strength:</b>                                   | 10,000 P.S.I.   |

**NOTE:** Precharge pressure is always one-half operating pressure. Unless requested, all pulsation dampeners (accumulators) will be charged to 800 PSI.

\* For re-charging, order refill valve (p/n 20000).

# INSTALLATION & OPERATING INSTRUCTIONS

It is recommended that the Accumulator be mounted pointing down as a safety precaution. This mounting procedure also allows the Accumulator to remain cooler during system operation and prolongs the effective operating life of the accumulator bladder.

**NOTE:** Shelf life of the nitrogen pre-charge of Accumulators is approximately six months before recharge is necessary.

Giant recommends the nitrogen pre-charge be checked approximately every three (3) months after Accumulator is installed in a pressure system.

**CAUTION:** Accumulator is to be pre-charged with nitrogen to one-half of the system operating pressure. Do not pre-charge beyond the rated operating pressure.

**WARNING:** Always fully discharge nitrogen pre-charge from bladder before attempting any repairs.

## REPAIR INSTRUCTIONS

- 1) Discharge nitrogen from bladder by pressing on the valve stem with a small rod or screwdriver. **Caution:** Never attempt to discharge using your finger or fingernail or contents will form a frost upon release.
- 2) Remove snap ring (item #4) using a standard snap ring pliers. To remove bladder and cap, insert a wood or brass rod through the inlet and tap sharply. **Note:** If bladder is removed, a new bladder must be installed for proper operation.
- 3) Carefully inspect inside surfaces of the body (item #1) for signs of wear. Worn surfaces will cause accelerated wear on the bladder and premature failure.
- 4) Next, inspect o-ring (Item #3) for damage. Replace if necessary.
- 5) Clean all parts that are to be reused paying special attention to the outside surfaces of the cap (item #2). Be sure to remove all old sealant. Valve assembly (item #5) can be serviced now if necessary.
- 6) Coat inside diameter of the bladder using "PRO P-25 Professional Bead Sealer" or other similar sealant. Coat only the top 1" of the bladder.
- 7) Install cap/valve assembly in bladder. Coat outside diameter of bladder and o-ring with oil or grease. Insert bladder/cap assembly into body as far as it will go by hand. Now with a large socket and a hammer or arbor press, install the assembly until the top of the cap clears the snap ring groove. Make sure assembly is not cocked.
- 8) Replace the snap ring so that the sharp edge of the ring is visible.
- 9) Charge bladder with nitrogen to 1/2 of the system operating pressure not to exceed 1500 PSI.
- 10) **Never** use any gas other than nitrogen to charge the bladder.



**WARNING:** This product might contain a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm.  
For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**GIANT**  
Performance Under Pressure

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