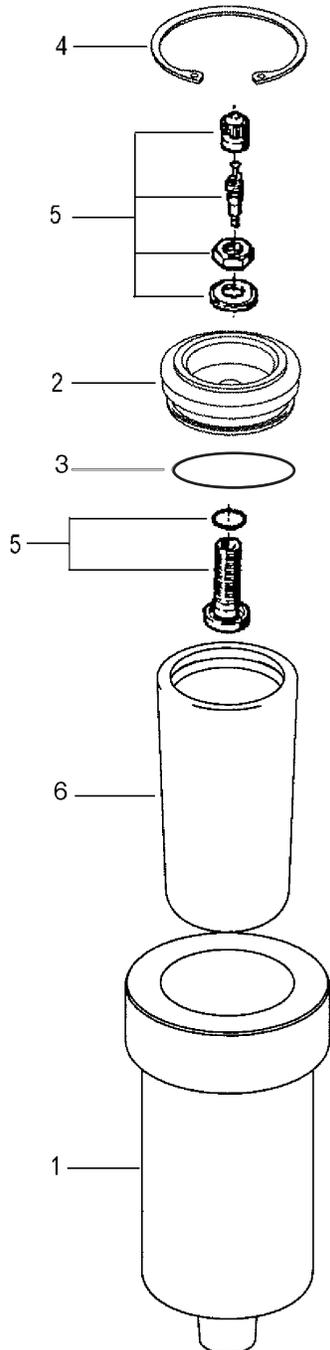


Models

Rebuildable Stainless Steel Accumulators

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



| ITEM # | PART # | DESCRIPTION | QTY |
|--------|-------------|---|-----|
| 1 | 22051B | Body 316 S.S. (22050A / 22050A-0033 / 22050A-5100) | 1 |
| 1 | 22154B | Body 316 S.S. (22155A / 22155A-5100) | 1 |
| 2 | 22052B | Top, 303 S.S. (22050A / 22050A-0030 / 22155A) | 1 |
| 2 | 22052B-0100 | Top, 316 S.S. (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) *(Sold only as one unit and includes valve, valve core, nut, valve cap o-ring and washer) | 1 |

OPERATING CONDITIONS

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

GIANT
Performance Under Pressure

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