

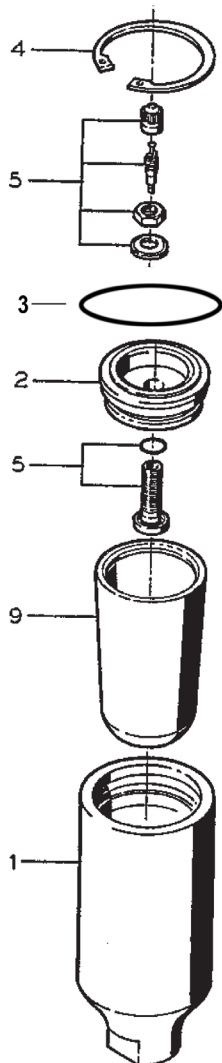
# Models 22155 22155-5100

## Rebuildable Stainless Steel Accumulator

### OPERATING SPECIFICATIONS

	U.S.	Metric
Maximum Flow:	30 GPM	114 L/min
Maximum Pressure:	3000 PSI	200 bar
Maximum Temperature:	200 °F	93.3 °C
Max. Pressure Precharge:	1500 PSI	100 bar
Connection:		3/8" FNPT
Weight:	4.6 lbs.	2.1 kg
Capacity:	9.1 cu in.	14.9 cL
Burst Strength:	12,000 PSI	(828 bar)

**Note:** Precharge pressure is always one-half operating pressure.



Item#	Part #	Description	Qty
1	22154BF	Body, S.S. (22155)	1
1	22154-5000	Body, S.S. (22155-5100)	1
2	22052B	Top, S.S. (22155)	1
2	22052-0100	Top, S.S. (22155-5100)	1
3	05640	O-Ring, Viton	1
4	22054A	Snap Ring, S.S.	1
5	22036	Valve Assembly*	1
9	22029	Bladder	1

\*(Sold only as one unit and includes: valve, valve core, nut, valve cap, o-ring and washer)



**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)

# INSTALLATION & OPERATING INSTRUCTIONS

It is recommended that the Model #22155 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 3/8" NPT 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) 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.
- 5) 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.
- 6) Install cap/valve assembly in bladder. Coat inside diameter of bladder 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 the assembly until the top of the cap clears the snap ring groove. Make sure assembly is not cocked.
- 7) Replace the snap ring so that the sharp edge of the ring is visible.
- 8) Charge bladder with nitrogen to 1/2 of the system operating pressure not to exceed 1500 PSI.
- 9) **Never** use any gas other than nitrogen to charge the bladder.



Giant Industries, Inc.  
900 N. Westwood Ave.,  
Toledo, Ohio 43607  
419-531-4600 Fax: 419-531-6836  
www.giantpumps.com  
© Copyright 2021 Giant Industries, Inc.