

MODEL	DESCRIPTION		PART NO.
G1	Pressure gauge mounted on stainless steel pigtail 1/4" NPT	0-60 PSI	99-0730
G2	Pressure gauge mounted on polypropylene gauge guard with EPDM diaphragm and 1/4" NPT CPVC nipple (Item 6)	0-60 PSI 0-15 PSI	99-0731 99-0731A
G3	Pressure gauge mounted on gauge guard with EPDM diaphragm. For use with pre-drilled filter chamber cover without vent port on side of cover.	0-60 PSI 0-15 PSI 0-160 PSI	99-0732 99-0732A 99-0732C
G3A	Same as G3 with cover mounted CPVC vent valve assembly (Item 10) included. For use with vent port on side of cover	0-60 PSI	99-0732B
G4	Pressure gauge mounted on PVDF & polypropylene gauge guard with Viton diaphragm and PVDF 1/4" NPT nipple. Vent plug assembly (Item 11) included.	0-60 PSI 0-15 PSI	99-1222 99-1222A
G4A	Pressure gauge mounted on polypropylene gauge guard with EPDM diaphragm and polypropylene 1/4" NPT nipple. Vent valve (Item 12) included.	0-60 PSI 0-15 PSI	99-1399 99-1399A
	Pressure gauge mounted on CPVC & polypropylene gauge guard with EPDM diaphragm and CPVC 1/4" NPT nipple. Vent valve (Item 12) included.	0-60 PSI 0-15 PSI	99-0733 99-0733B
G5	Pressure gauge mounted on polypropylene and CPVC gauge guard with EPDM diaphragm, CPVC vent valve assembly (Item 10) and 1" flange. (Use on Sentry Filter Chamber covers).	0-160PSI 0-60 PSI	99-0734-1 99-0734
G7	Pressure gauge mounted on PVC & polypropylene gauge guard with EPDM diaphragm, vent valve assembly (Item 12) and 2-1/2" NPT cover adapter.	0 - 160 PSI	78-0078

## INSTALLATION OF GAUGE GUARD ASSEMBLIES

**⚠ CAUTION - System pressure must be relieved & valves closed to prevent backflow if equipment was in operation. DO NOT operate gauge guard assembly without plug, gauge and PSI switch installed. Diaphragm rupture may occur.**

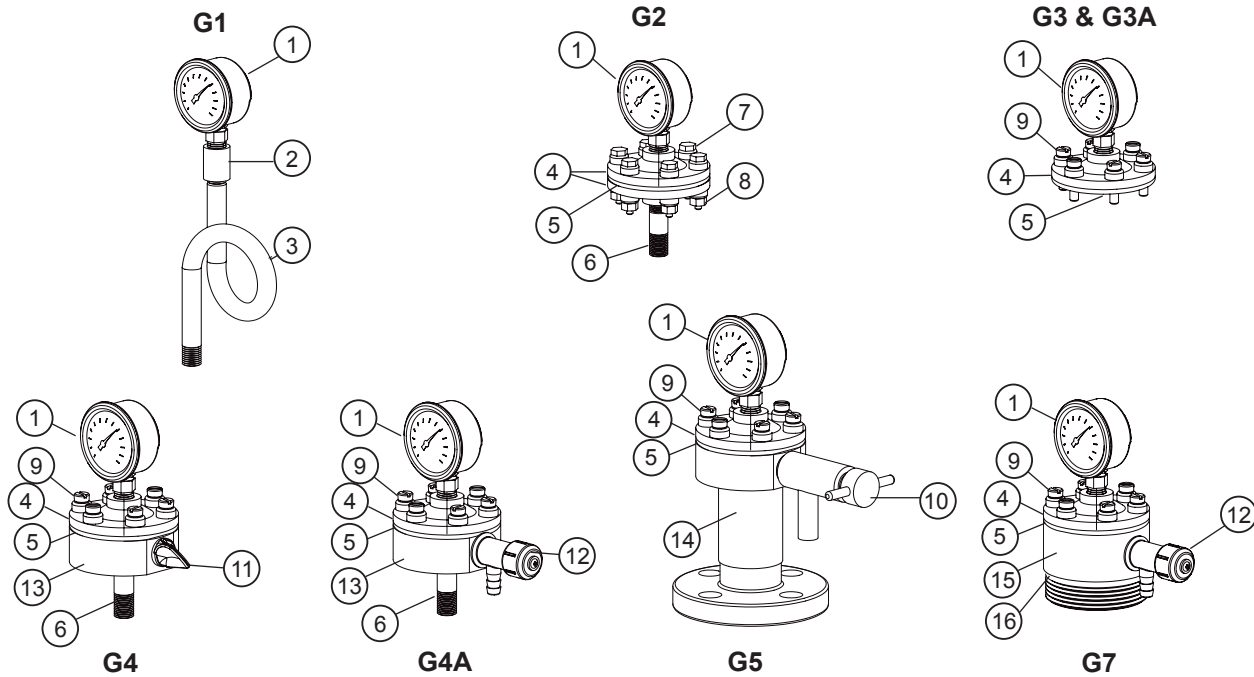
- A. Provided as original equipment for new SERFILCO purification/ filter chamber.
- All assemblies, except G1, G3, and G3A, are shipped with glycerine above diaphragm. The glycerine will transmit chamber pressure to the pressure gauge. DO NOT remove top pipe plug until step 3.
  - Install gauge assembly onto chamber cover if packaged separately. (Some assemblies are not factory installed in order to prevent shipping damage). Tighten all bolts & threads to prevent leakage.
  - Remove pipe plug and install pressure gauge. Tighten to prevent leakage of glycerine.
  - When tightened, gauge needle should rest on stop pin or slightly off of it.

- B. Provided new or for replacement on any purification/ filter chamber.
- All assemblies, except G1, G3, and G3A, are shipped with glycerine above diaphragm. The glycerine will transmit chamber pressure to the pressure gauge. DO NOT remove top pipe plug until step 3.
  - Install gauge assembly onto assembled cover. Tighten all bolts & threads to prevent leakage.
  - Remove pipe plug and install pressure gauge. Tighten to prevent leakage of glycerine.
  - When tightened, gauge needle should rest on stop pin or slightly off of it.
- C. Gauge assemblies with an 'A' suffix in the model number have a vent plug or valve assembly provided for venting air from the chamber. Open the valve or plug until liquid escapes, then close & tighten.



# GAUGE GUARD ASSEMBLIES

2900 MacArthur Blvd. Northbrook, IL. USA 60062 [www.serfilco.com](http://www.serfilco.com) (800) 323 - 5431



ITEM	DESCRIPTION	MODEL	PART NO.
1	Pressure gauge* - stainless steel 0-15 PSI 0-60 PSI 0-160 PSI	G1, G2, G3, G4, G4A G1, G2, G3, G3A G4, G4A G3, G7	99-1500 99-1502 99-1504
2	Coupling, 1/4" - stainless steel	G1	33-0403
3	Pigtail syphon tube, 1/4" - stainless steel	G1	99-0103
4	Retainer - glass filled polypropylene (G2, 2 req'd)	ALL except G1	99-0208
5	Diaphragm - EPDM (standard) - Viton®	ALL except G1	99-0136 A 99-0136 1
6	Nipple 1/4" NPT x 3" - CPVC - polypropylene - PVDF	G2, G4, G4A G2, G4 G2, G4	33-0097 33-0097-PP 33-0097-K
7	Hex bolt, 1/4"-20 x 1 1/2" - stainless steel (6 req'd)	G2	11-0332
8	Hex nut, 1/4"-20 - stainless steel (6 req'd)	G2	11-0107
9	Fillister head screw, 1/4"-20 x 1" - stainless steel (6 req'd)	G3, G3A, G4, G4A G5, G7	11-0275
10	Vent valve assembly, 3/8" NPT - CPVC	G3A, G5	33-0051
11	Vent plug assembly, 1/4" NPT - PVDF w/EPDM "O"-ring 1/4" NPT - PVDF w/Viton "O"-ring	G4	88-2833 88-2822
12	Vent valve, 1/4" NPT - polypropylene	G4A, G7	33-8108-PP
12A	"O"-ring - EPDM (std) - Viton (optional)	G4A, G7	22-0870 22-0870-V
13	Adapter plate, for vent plug 1/4" NPT - CPVC - PVDF - polypropylene	G4, G4A	99-0123 99-0286 99-1398
14	Adapter column, for vent valve with 1" mounting flange - CPVC	G5	99-0158
15	Adapter assembly, for 1/4" vent valve - PVC	G7	99-0346-3
16	'O'-ring - EPDM - Viton	G7 G7	22-0690 22-0692

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\*Filter chamber may be provided with different gauge.