Flexorber

Under Licence From Martin Packer since 1963

Combination Flow Fluctuation reducer And Pressure Pulsation interceptor

"Dampers that do Flow goes through"

TOXIC, PYROFORIC, CARCINOGENIC & HAZARDOUS **LIQUIDS**

COMPRESSIBLE CUSHION VOLUME, FOR FLOW FLUCTUATION OXYGEN FREE, DRY **NITROGEN** " O. F. N. "

LONGEST LIFE LOWEST COST MODIFIED TFE DIAPHRAGM LDi **FLEXFLON**

SA 240 DUAL CERTIFIED 316-316L, not titanium modified **STAINLESS** or A20, HC276 etc.

2nd Layer, ModifiedPTFE For Greater Impermeability **FLEXFLON**

High Temp Ethylene Propylene Ter-Polymer **ELASTOMER**

TACKYFIED Glass Filament strands **FIBER**

This service and re-assembly instruction covers the following :-

Part Numbers - FL- LP 0.5in3 (8.0ml) through 10 in3 (160ml)

FLO (Items having secondary containment sealing)

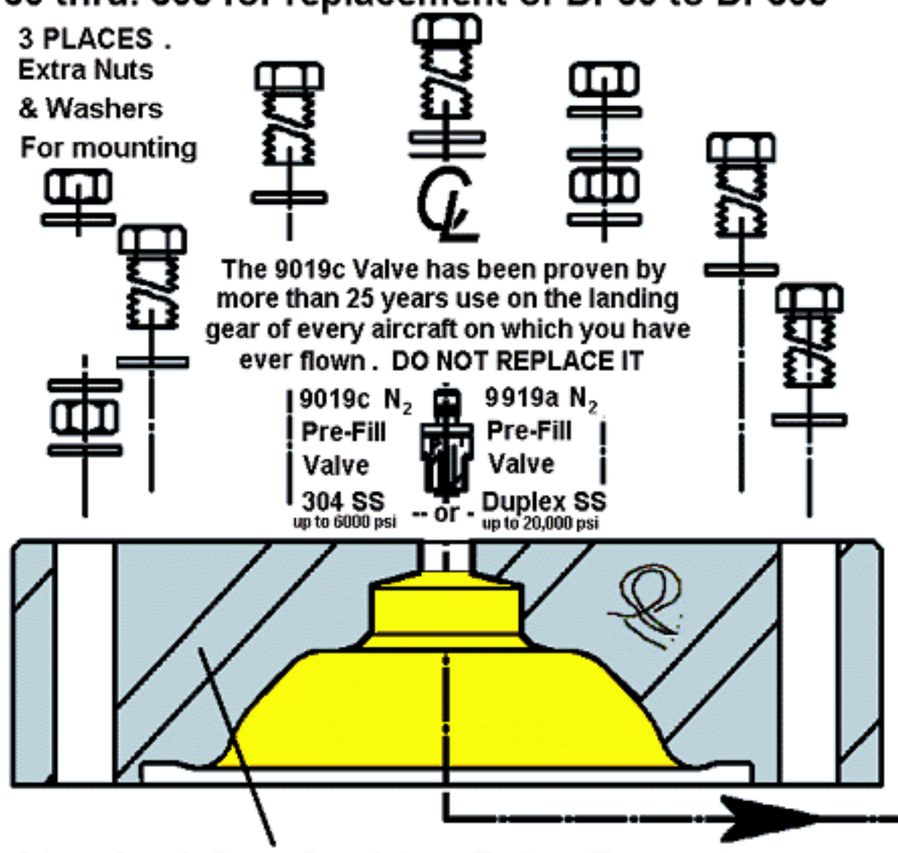
Z/FLO-- (Items having double layer diaphragms)

2000 psi (140 Br.) through 6000 psi (400 Br.)

10 in3 (160 ml.) through 800 in3 (13 Lt.)

NOTE : The DW --- series of long life lower cost diaphragm replacements are available with DW nbrs. 60 thru. 305 for replacement of DF60 to DF305

3 PLACES . Extra Nuts & Washers For mounting

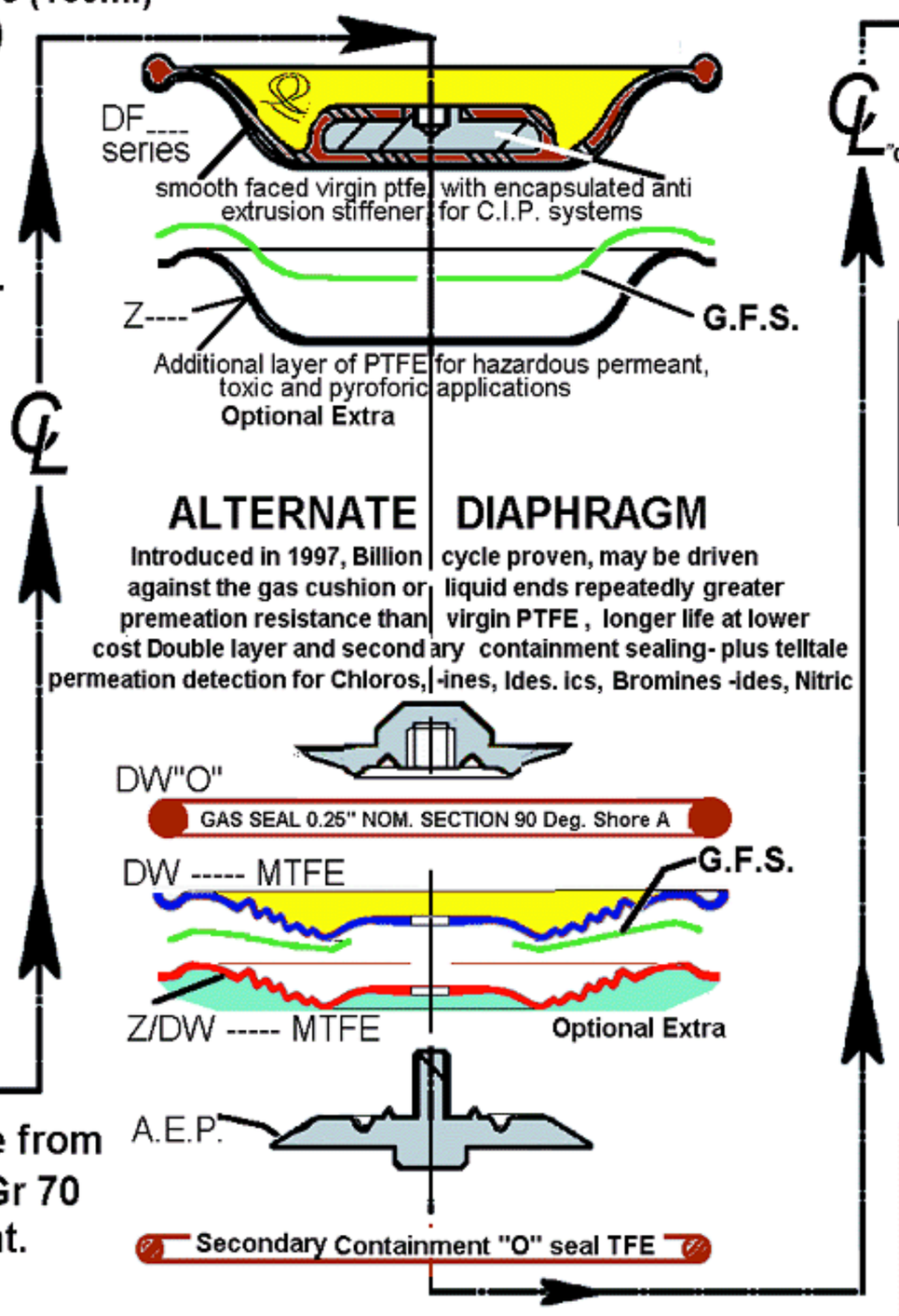


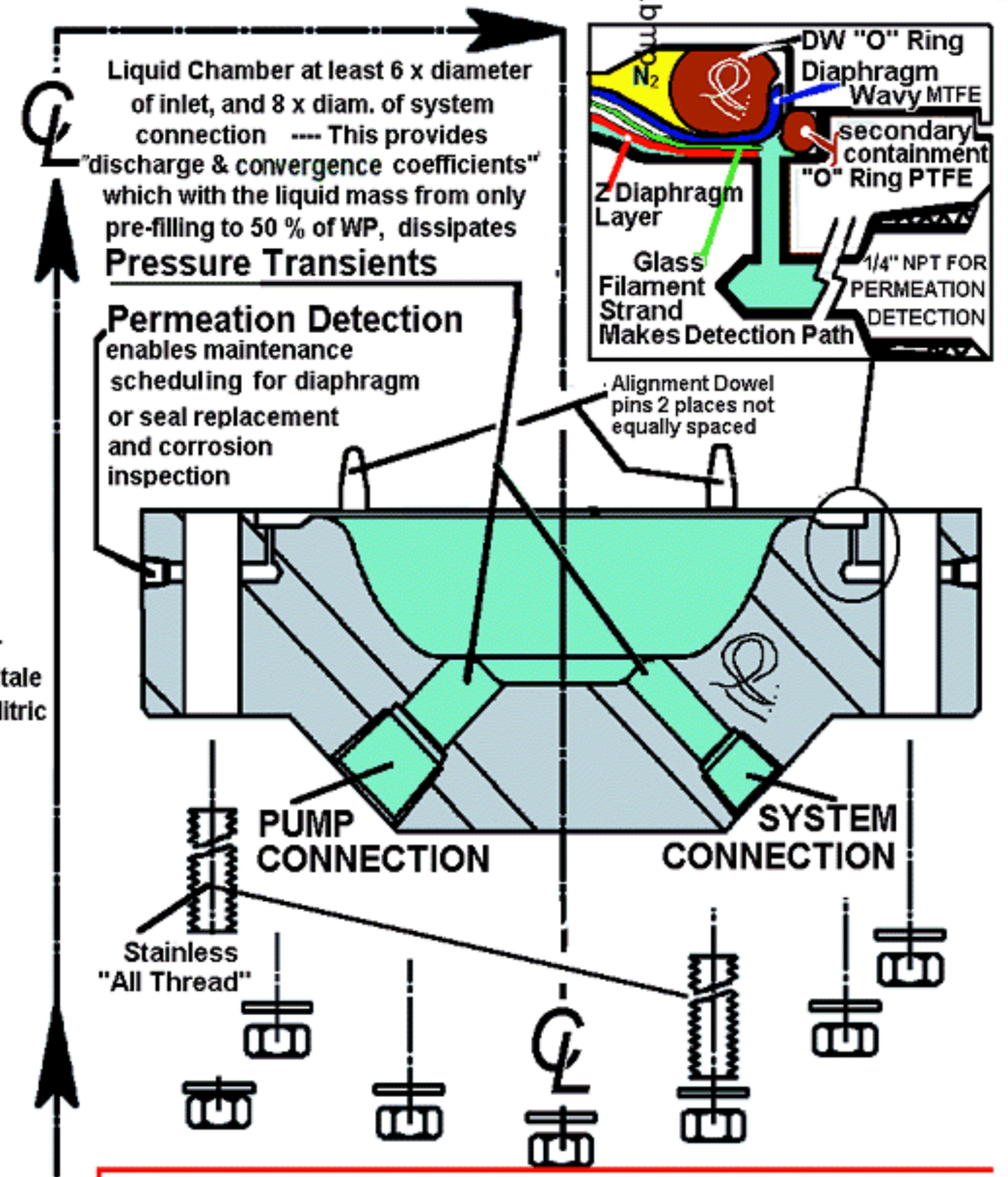
The 9019c Valve has been proven by more than 25 years use on the landing gear of every aircraft on which you have ever flown . DO NOT REPLACE IT

9019c N_2 Pre-Fill Valve 304 SS up to 6000 psi -- or - 9919a N_2 Pre-Fill Valve Duplex SS up to 20,000 psi

Standard Gas Cushion Drive Bonnets are made from SA 516 Gr 70 Pressure Vessel Quality Plate . Gr 70 because there is no welding on this component.

Any other material is available at extra cost.

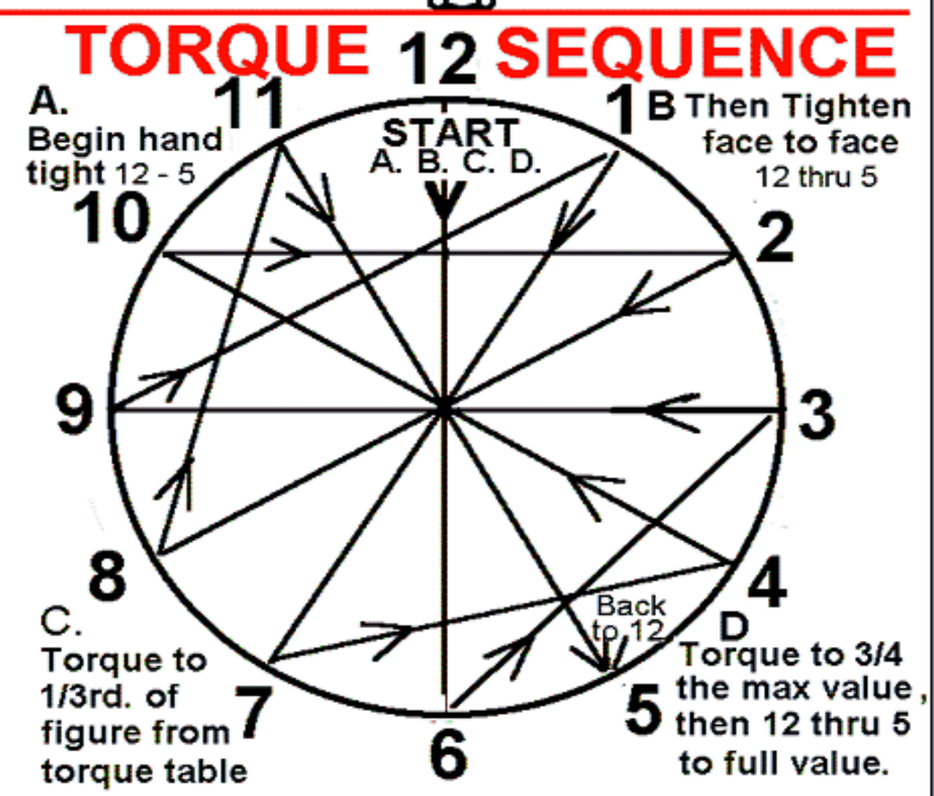




Recommended tightening torque values, by bolt diameter and bolt grade .
Using anti-seize, these figures produce a preload aprox. 70% of min. yield .

Class UNC	Torque	Metric Std.M10	5/16"	3/8"	M12	1/2"	M16	5/8"	M20	3/4"	M24	1.0"	M27	1 1/8"	M30	1 1/4"	1 3/8"	1 1/2"
316ss	Nm		16	30	46		100		184		223		308		380		470	610
B8M & A4	Ft.Lbs		12	22	34		80		135		165		230		280		350	454
304ss	Nm		20	40	60		130		240		290		400		495		610	791
B8 & A2	Ft.Lbs		16	28	44		100		175		214		300		365		455	590
8.8	Nm		18	34	60		146		287		500		736		1000		1356	1760
	Ft.Lbs.		13	25	44		108		212		370		543		734		1000	1230
SA 193 Gr7																		
10.9	Nm.		25	49	85		209		407		720		1040		1356		2206	2856
	Ft.Lbs.		18	35	63		154		300		518		766		1000		1280	1661
12.9	Nm.		29	60	103		251		488		839		1246		1627		2206	2863
	Ft.Lbs.		21	44	76		185		360		619		919		1200		1535	1992

TORQUE 12 SEQUENCE



Dampers that do. Flow goes through. BUT Pressure Pulsation does not.

PULSEGUARD Inc. ®

Guard against Pulsation

In USA Toll Free, 1-888-DAMPERS (326-7377)

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Color fax is 10 times faster than email attach, and there are no viruses.