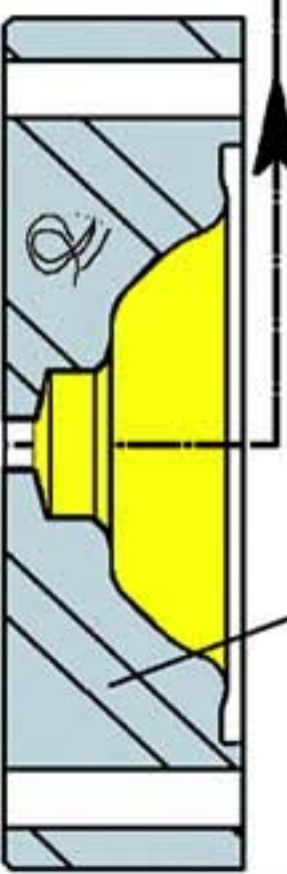


Mexorber

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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



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 approx. 70% of min. yield.

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

LIQUIDS

TOXIC, PYROFORIC, CARCINOGENIC & HAZARDOUS

COMPRESSIBLE CUSHION VOLUME, FOR FLOW FLUCTUATION

SA 240 DUAL CERTIFIED 316-316L, not titanium modified

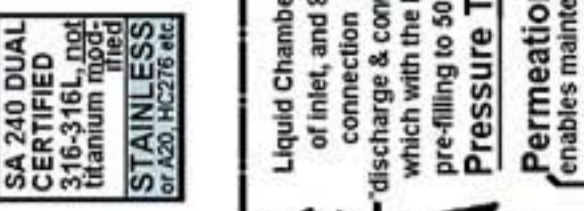
2nd Layer, Modified PTFE For Greater Impermeability

High Temp Ethylene Propylene Ter-polymer

TACKYFIED Glass Filament strands

ALTERNATE DIAPHRAGM

Introduced in 1997, Billion cycle proven, may be driven against the gas cushion or liquid ends repeatedly greater pre-maturation resistance than virgin PTFE, longer life at lower cost Double layer and secondary containment sealing-plus telltale permeation detection for Chloros, -ines, Ides, Ics, Bromines -ides, Nitric



DW "O" Ring Diaphragm Wavy MTFE secondary containment "O" Ring PTFE 1/4" NPT FOR PERMEATION DETECTION

Liquid Chamber at least 6 x diameter of inlet, and 8 x diam. of system connection --- This provides discharge & convergence coefficients which with the liquid mass from only pre-filling to 50% of WP, dissipates Pressure Transients

Permeation Detection enables maintenance scheduling for diaphragm or seal replacement and corrosion inspection

Alignment Dowel pins 2 places not equally spaced

GAS SEAL 0.25" NOM. SECTION 90 Deg. Shore A

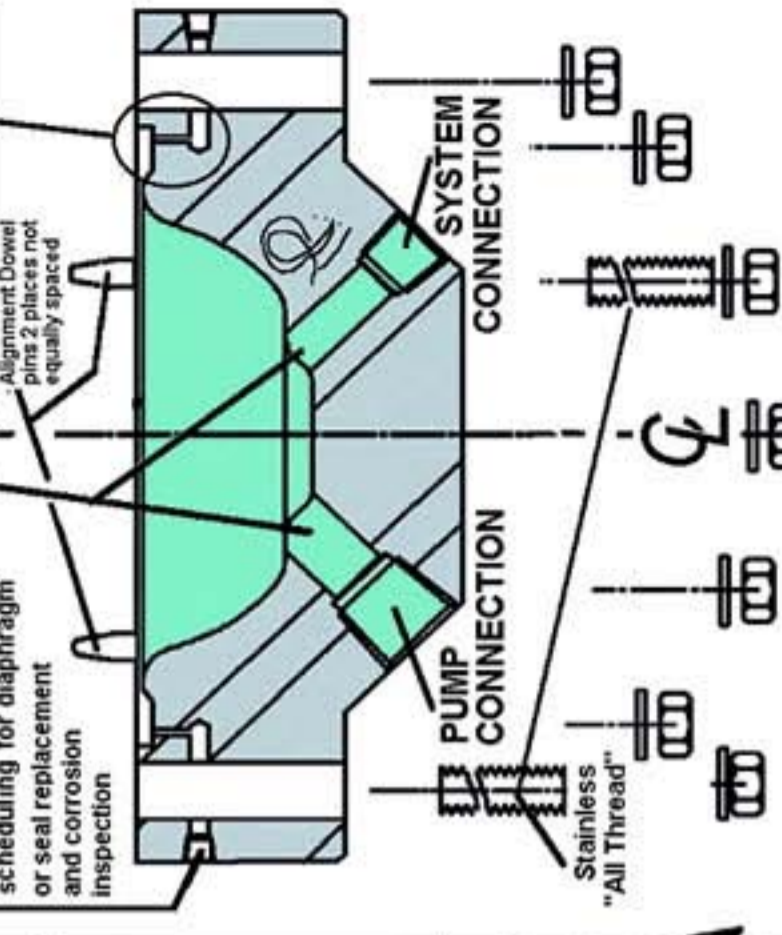
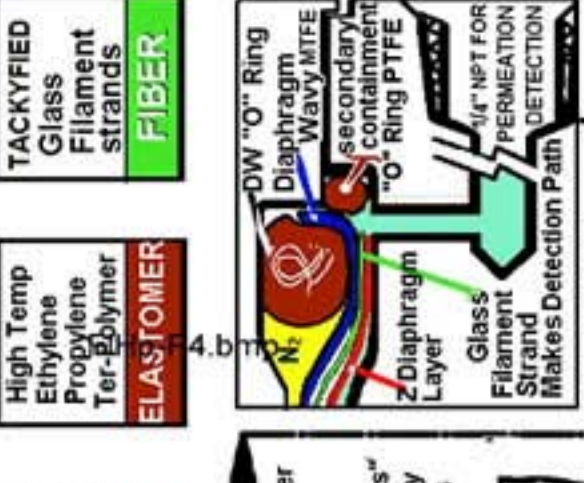
DW --- MTFE

Z/DW --- MTFE

Optional Extra

A.E.P.

Secondary Containment "O" seal TFE



TORQUE 12 SEQUENCE

A. Begin hand tight 12 - 5

B. Then Tighten face to face 12 thru 5

C. Torque to 1/3rd. of figure from torque table

Back to 12

Torque to 3/4 the max value, 5 then 12 thru 5 to full value.

