

Fluid Energy Controls



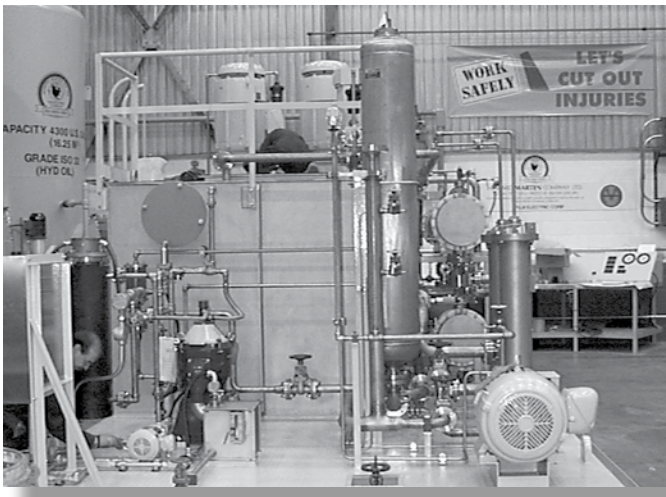
Bladder Accumulators for Turbomachinery Lube-Oil Systems (LOSA)



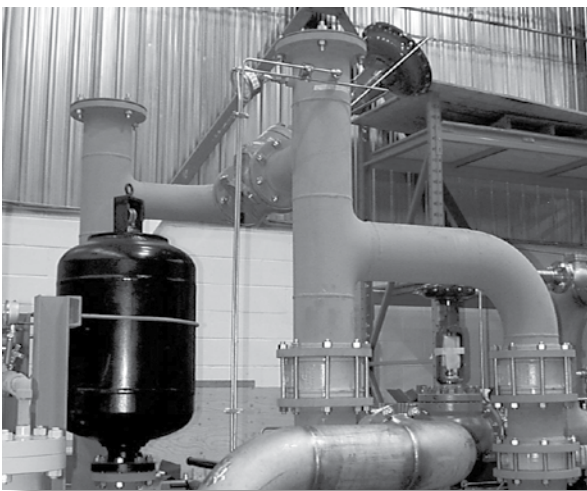
Lube-Oil System Accumulators — Stainless Steel Construction

Fluid Energy Controls (FEC) LUBE OIL SYSTEM Accumulators (LOSA) are specifically designed for installation within turbomachinery consoles and are dedicated to maintain normal lube oil pressure at the bearings while the standby pump accelerates from an idle condition to operating speed, or during shutdown. This will prevent costly damage to the bearings, increasing bearing life and the overall reliability of the system.

FEC LOSAs are simple, safe, and cost effective pressure vessels, not containing any mechanical moving parts. The LOSAs are designed in accordance with ASME Sec. VIII, Div. 1 of the Pressure Vessels and Boiler Code, and "U" stamped.



LOSAs designed for applications within turbomachinery API 614 Lube-Oil Consoles



LOSAs designed per ASME Sec. VIII, Div. 1 and National Board Registered



FLUID ENERGY CONTROLS, INC.

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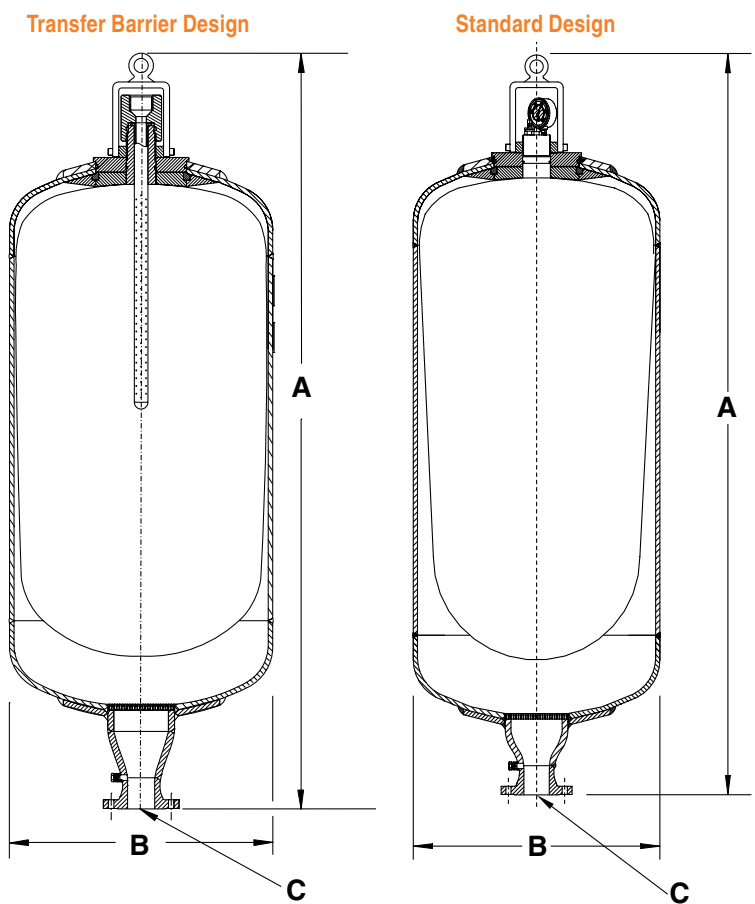
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Lube-Oil System Accumulators — Stainless Steel Construction

500 PSI DESIGN PRESSURE

Standard Features:

- 304 Stainless Steel construction standard (316 Stainless Steel construction available)
- Designed and stamped per ASME Code Section VIII, Div. 1
- Other certifications available:
European CE, Canadian CRN, Brazilian NR-13, Chinese SELO, and Malaysian DOSH
- API Standard 614
- 500 PSI maximum design
- Temperature service -20°F to +200°F
- Buna-N compound bladder (Other bladder compounds available upon request)
- Transfer barrier design to maximize usable volume



Nominal Size	Part No.	Est. Wt. Dry lb.	"A" Dim. in.	"B" Dim. in.	"C" Fluid Port Conn.
STANDARD ACCUMULATORS					
25 Gal.	7385000	300	70	14	3" 300# ANSI Flange
25 Gal.	7183000	300	37	22	4" 300# ANSI Flange
40 Gal.	7386000	425	88.5	14	3" 300# ANSI Flange
40 Gal.	7184000	425	49	22	4" 300# ANSI Flange
60 Gal.	7343000	540	55	22	4" 300# ANSI Flange
80 Gal.	7185000	655	65	22	4" 300# ANSI Flange
100 Gal.	7186000	880	85	22	4" 300# ANSI Flange
120 Gal.	7187000	1005	102	22	4" 300# ANSI Flange
TRANSFER BARRIER ACCUMULATORS					
40 Gal.	7340000	425	88.5	14	4" 300# ANSI Flange
60 Gal.	7341000	540	58	22	4" 300# ANSI Flange
80 Gal.	7342000	655	65	22	4" 300# ANSI Flange

Pre-Charge Monitor Schedule

The Accumulators, Surge Suppressors and Pulsation dampeners shipped from the factory of Fluid Energy Controls are only pre-charged to 20 psi with dry Nitrogen gas. This pre-charge protects the bladders from getting damaged during shipping. After installation of the unit, the bladder inside the unit needs to be properly pre-charged with dry Nitrogen gas to 70-80% of the working pressure of the pipeline. The pre-charging is accomplished before the fluid starts pumping in the pipeline.

For newly installed units, the pre-charge should be monitored every two weeks. There should be no fluid pumping through the pipeline during this process. If the pre-charge has dropped, then more Nitrogen gas should be pumped into the bladder to raise the pre-charge in the bladder to the recommended pressure. When there is no loss of pre-charge noticed, the pre-charge should be monitored every four weeks.

Caution: Do not use Oxygen or air to pre-charge the bladder. Use only Nitrogen for pre-charging.

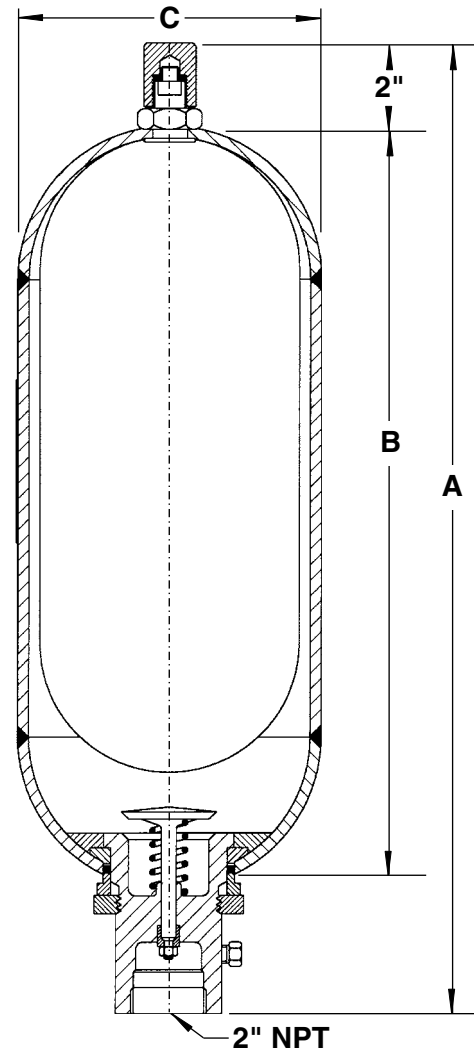
Lube-Oil System Accumulators — Stainless Steel Construction

850, 1020 and 1500 PSI DESIGN PRESSURE

Standard Features:

- 304 Stainless Steel construction standard (316 Stainless Steel construction available)
- Designed and stamped per ASME Code Section VIII, Div. 1
- National Board Registered
- Other certifications available:
European CE, Canadian CRN, Brazilian NR-13, Chinese SELO, and Malaysian DOSH
- API Standard 614
- Temperature service -20°F to +200°F
- Buna-N compound bladder (Other bladder compounds available upon request)
- 2" NPT liquid connection

Nominal Size	Gas Volume cu.in.	Est. Wt. Dry lb.	"A" Dim. in.	"B" Dim. in.	"C" Dim. in.
2½ Gal.	555	65	21 7/8	15½	8 5/8
5 Gal.	1095	96	34	27½	8 5/8
10 Gal.	2080	150	54 5/8	48 1/4	8 5/8
11 Gal.	2360	161	60 3/4	54 1/4	8 5/8
15 Gal.	3460	216	74 1/2	68 7/8	8 5/8
PART NUMBERS					
	2½ Gal.	5 Gal.	10 Gal.	11 Gal.	15 Gal.
850 PSI	7294000	7295000	7296000	7297000	7298000
1020 PSI	7301000	7302000	7303000	7304000	7305000
1500 PSI	7344000	7345000	7346000	7347000	7348000
Repair Kit	5250020	5250024	5250006	5250039	5250004



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Note: All dimensions and weights are for general information only. Since products are in a continual state of refinement, please verify all critical dimensions with Fluid Energy Controls, Inc. Other materials of construction, pressure and connection are available upon request.

Warranty: Fluid Energy Controls, Inc. guarantees its products for materials and workmanship for one full year from the date of purchase, but because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability or suitability

of our products in any given situation. Users of our products should make their own tests to determine the suitability of each product for their particular purpose. The products discussed are sold with a limited warranty and buyer assumes all responsibility for loss or damage arising from the handling and use of our products whether done in accordance with directions or not. Also, statements concerning the possible use of our products are not intended as recommendations to use our products.



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