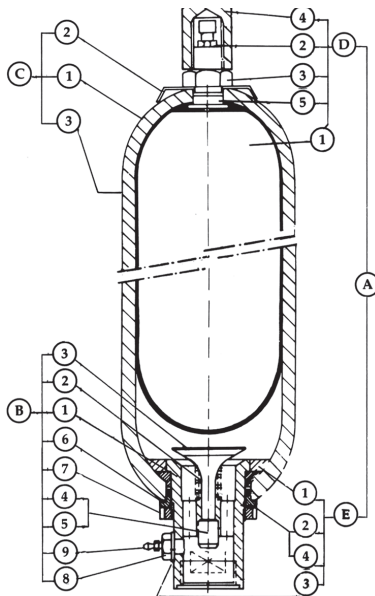


# Standard Bladder Accumulator

207, 310, 345, 420 & 480 bar



<b>A</b>	<b>Bladder Kit comprising:</b>
<b>D</b>	<b>Bladder assembly</b>
D1	Bladder
D2	Gas valve assembly
D3	Locknut
D4	Protective cap
D5	'O' ring stem
<b>E</b>	<b>Anti extrusion ring assembly</b>
E1	Anti extrusion ring
E2	'O' ring fluid port*
E3	Bonded seal
E4	Back-up ring
<b>B</b>	<b>Fluid port assembly comprising</b>
B1	Fluid port body
B2	Spring
B3	Poppet valve
B4	Collett
B5	Piston
B6	Flanged washer
B7	Locking ring
B8	Bleed adaptor*
B9	Bleed valve*
<b>C</b>	<b>Shell assembly comprising:</b>
C1	Shell
C2	Label
C3	Label warning

Note: Models 1/54 litres detailed above. Models 0.6 litres have Gas Valve assembly integral with bladder stem without protective cap fitted.

\* Not fitted on all models

## Specification

### Shell

Oil Service - seamless shell, designed and manufactured to PED 97/23/EEC and CE marked. Material - Chromium-molybdenum steel. Working pressure 207, 310, 345, 420 and 480 bar. Water service as above with shell interior epoxy resin lined.

### Label

With assembly specification and installation details.

### Witness hydro-pneumatic pressure tests

A hydrostatic test is carried out on all our accumulator shells. However we can carry out additional pressure tests on the complete accumulators with or without witness by a specified inspection authority and/or customer as an optional extra. Please request a price if required.

### Material Certification

Available on request for all major pressure loaded parts to EN 10204 3.1

### Finish

One coat primer paint as standard. Special paints available.

### Bladder

Totally enclosed construction with an extensive range of elastomers available. See Bladder information for further details.

### Fluid Port Assembly

Integral high-flow port and poppet valve assembly with an anti-extrusion ring. For options see overleaf.

### Safety

All gas-loaded accumulators are pressurised vessels and it is recommended that safety consideration be given to the application in which they are used. A relief valve should always be fitted to the hydraulic system with the option of a burst disc to protect the accumulator. If there is a fire risk in the vicinity of the accumulator, then a fusible/eutectic plug should be fitted. See Installation and Servicing data sheet for information regarding installation of accumulators.

### Accessories

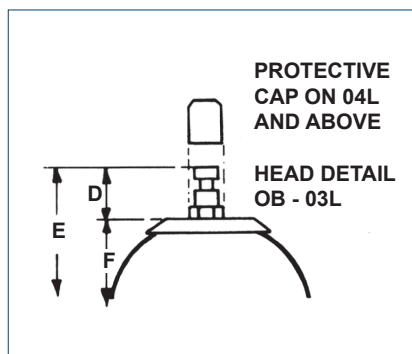
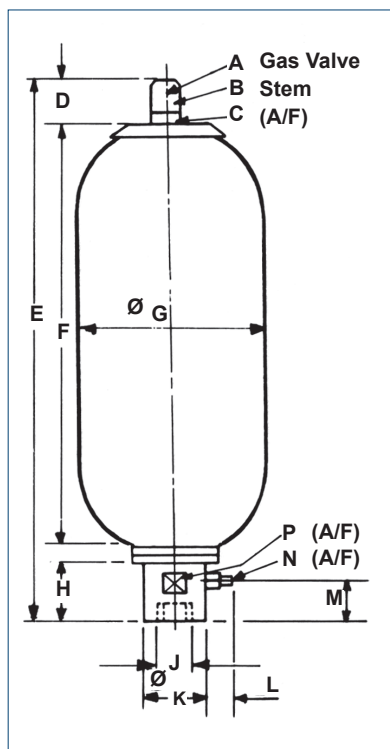
A complete range of accumulator accessories are available from OLAER Fawcett Christie.

### Spare Parts

Available on request.

Nominal Capacity Litres	Effective Gas vol. Litres	Work press. bar	Max Flow Rate lt/min	Weight Dry Kilo	Dimensions in mm unless stated otherwise and subject to manufacturer's tolerances													
					A Inches	B Inches	C	D	E	F	G	H	J Inches	K	L	M	N	P
0B	0.16	345	27	2.00	¼ BSP	⅝ UNF	24	40	292	205	55	36	¾ BSPM	26	-	-	-	23
0F	0.60	345	109	2.70	¼ BSP	⅝ UNF	24	40	266	175	90	37	¾ BSPF	35	-	-	-	32
011	1.15	207	109	5.4	¼ BSP	⅝ UNF	24	40	292	200	115	37	¾ BSPF	35	-	-	-	32
011	1.15	345	109	5.7	¼ BSP	⅝ UNF	23	40	292	200	115	37	¾ BSPF	35	-	-	-	32
03	2.5	345	215	10.00	¼ BSP	⅝ UNF	23	40	506	402	115	49	1 BSPF	44	5	32	15	41
04	3.8	207	477	15.20	¼ BSP	⅞ UNF	33	78	455	289	169	74	1 ¼ BSPF	60	36	39	9	55
04	3.8	345	477	15.20	¼ BSP	⅞ UNF	33	78	455	289	169	74	1 ¼ BSPF	60	36	39	9	55
10	9.4	207	749	35.00	¼ BSP	⅞ UNF	33	78	575	407	219	70	2 BSPF	76	36	46	9	69
10	9.4	310	749	35.00	¼ BSP	⅞ UNF	33	78	575	407	219	70	2 BSPF	76	36	46	9	69
10	9.4	345	749	35.00	¼ BSP	⅞ UNF	33	78	575	407	221	70	2 BSPF	76	36	46	9	69
10	9.4	420	749	34.00	¼ BSP	⅞ UNF	33	78	575	407	224	70	2 BSPF	76	36	46	9	69
10	9.4	480	749	34.00	¼ BSP	⅞ UNF	33	78	575	407	226	70	2 BSPF	76	36	46	9	69
20	18.8	207	749	55.00	¼ BSP	⅞ UNF	33	78	886	718	219	70	2 BSPF	76	36	46	9	69
20	18.8	310	749	55.00	¼ BSP	⅞ UNF	33	78	886	718	219	70	2 BSPF	76	36	46	9	69
20	18.8	345	749	55.00	¼ BSP	⅞ UNF	33	78	886	718	221	70	2 BSPF	76	36	46	9	69
20	18.8	420	749	54.00	¼ BSP	⅞ UNF	33	78	886	718	224	70	2 BSPF	76	36	46	9	69
20	18.8	480	749	54.00	¼ BSP	⅞ UNF	33	78	886	718	226	70	2 BSPF	76	36	46	9	69
28	25.8	207	749	61.00	¼ BSP	⅞ UNF	33	78	1158	990	221	70	2 BSPF	76	36	46	9	69
28	25.8	345	749	61.00	¼ BSP	⅞ UNF	33	78	1158	990	221	70	2 BSPF	76	36	46	9	69
37	35.2	207	749	91.00	¼ BSP	⅞ UNF	33	78	1407	1239	219	70	2 BSPF	76	36	46	9	69
37	35.2	310	749	91.00	¼ BSP	⅞ UNF	33	78	1407	1239	219	70	2 BSPF	76	36	46	9	69
37	35.2	345	749	91.00	¼ BSP	⅞ UNF	33	78	1407	1239	221	70	2 BSPF	76	36	46	9	69
37	35.2	420	749	86.00	¼ BSP	⅞ UNF	33	78	1407	1239	224	70	2 BSPF	76	36	46	9	69
37	35.2	480	749	86.00	¼ BSP	⅞ UNF	33	78	1407	1239	226	70	2 BSPF	76	36	46	9	69
54	49.2	207	749	130.00	¼ BSP	M50x 1.5	69	66	1922	1766	219	70	2 BSPF	76	36	46	9	69
54	49.2	310	749	130.00	¼ BSP	M50x 1.5	69	66	1922	1766	219	70	2 BSPF	76	36	46	9	69
54	49.2	345	749	130.00	¼ BSP	M50x 1.5	69	66	1922	1766	221	70	2 BSPF	76	36	46	9	69
54	49.2	420	749	119.00	¼ BSP	M50x 1.5	69	66	1922	1766	224	70	2 BSPF	76	36	46	9	69
54	49.2	480	749	119.00	¼ BSP	M50x 1.5	69	66	1922	1766	224	70	2 BSPF	76	36	46	9	69

Note: Dimensions are based on current stock and are subject to change without prior notice.



The information in this datasheet is subject to change without prior notice.

# Standard Bladder Accumulator

## Model numbers

54 - 0 - 0A - 00 - 20 - 1

### Nominal Volume - Litres

### Bladder Material

- 0 = Nitrile Standard
- 1 = Butyl
- 2 = Low Temperature Nitrile
- 3 = Low Permeability Nitrile
- 6 = Viton
- 8 = High Temperature Nitrile

### Bladder stem/ Gas valve

#### OB-OF

- OA = 5/8" UNF/1/4" BSPM
- 9A = 5/8" UNF/302-32
- SA = as OA but corrosive service

#### 01-37L

- 7/8" UNF/1/4" BSPM
- 7/8" UNF/302-32

#### 54L

- M50 x 1.5 / 1.4" BSPM
- 7/8" UNF / 302-32

### Shell and Fluid port options

- 00 = Oil Service
  - 02 = Low/medium corrosive service
  - 03 = Underground mining - water service
  - 04 = Underground mining - oil service
  - 13 = NPT fluid port - oil service
  - 14 = NPT fluid port - Low/medium corrosive service
  - W6 = Stainless steel externals, unlined shell
- Note: for other assembly options contact Olaer Fawcett Christie  
 DN - SAE 6000 flange nipple

### Maximum Working Pressure

- 20 = 207 bar
- 34 = 345 bar
- 42 = 420 bar
- 31 = 310 bar
- 35 = 350 bar

### Design standard/Authority Approval

- 1 = Lloyds/CE