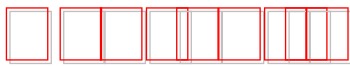


# Hydraulic & Offshore SUPPLIES

## Bladder Accumulator 480 - 517 Bar Range

Contact our team *and*  
**Order today on:**  
**+44 (0)191 549 7335**

Offshore House, Southwick Industrial Estate, Sunderland, SR5 3TX  
[hos@hos.co.uk](mailto:hos@hos.co.uk) | [www.hos.co.uk](http://www.hos.co.uk)



## Design Features and Benefits

### 1 Shell

Seamless shell, designed and manufactured to PED 97/23/EEC and CE marked. Material - Chromium-molybdenum steel. Working pressure 480 bar and 517 bar.

### 2 Label

With assembly specification and installation details.

### 3 Material Certification

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

### 4 Finish

One coat primer paint as standard. Special paints available.

### 5 Bladder

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

### 6 Fluid Port Assembly

Integral port and poppet valve assembly with an anti-extrusion ring. For options see page 4.

### 7 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. See Installation and Servicing data sheet for information regarding installation of accumulators.

### 8 Pressure Testing

A hydro static pressure test is carried out on all our accumulator shells during the manufacturing process. We can carry out additional pressure testing witnessed by a specified Inspection Authority and/or customer as an optional extra if required.

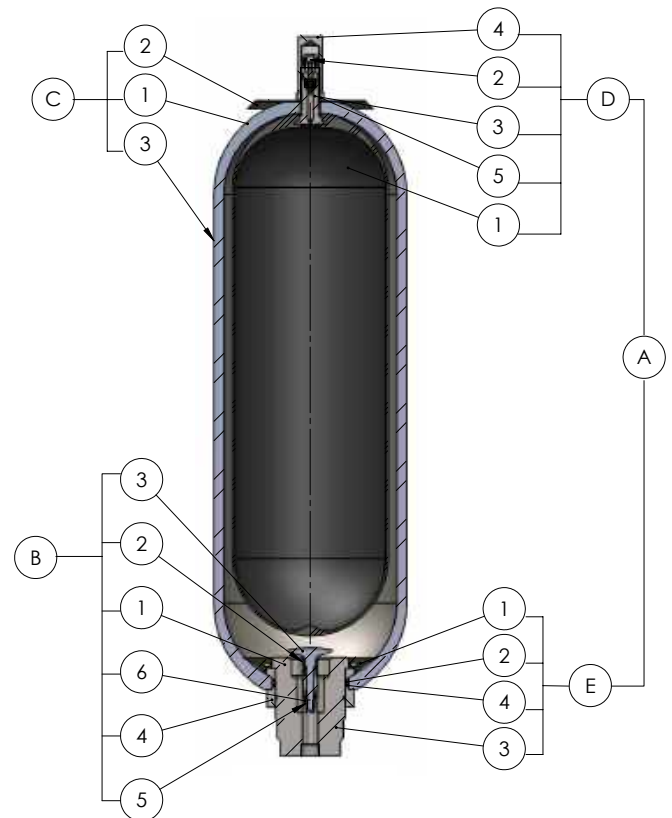
We can also carry out a hydro-pneumatic pressure test on the complete assembly as an optional extra if required. Again this can be witnessed by a specified inspection authority and/or customer.

### 9 Accessories

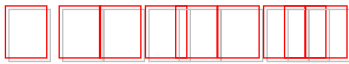
A complete range of accumulator accessories are available from Parker Olaer.

### 10 Spare Parts

Available on request.



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



Capacities and Dimensions

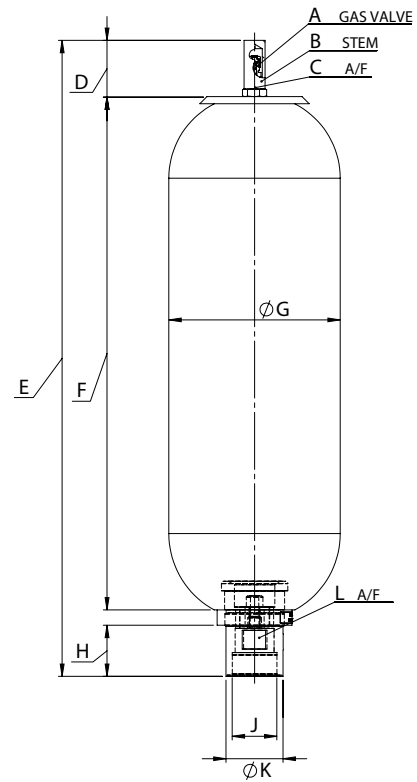
Nominal Capacity Litres	Effective Gas vol. Litres	Work press. bar	Max Flow Rate lt/min	Weight Dry Kilo	Dimensions in mm unless stated otherwise and subject to manufacturer's tolerances										
					A Inches	B Inches	C	D	E	F	G	H	J Inches	K	L
10	9.4	480	215	34	¼ BSP	7/8 UNF	33	78	575	407	229	70	see table	76	69
10	9.4	517	215	54	¼ BSP	7/8 UNF	33	78	575	407	243	70		76	69
20	18.8	480	215	54	¼ BSP	7/8 UNF	33	78	886	718	229	70		76	69
20	18.8	517	215	100	¼ BSP	7/8 UNF	33	78	886	718	243	70		76	69
37	35.2	480	215	86	¼ BSP	7/8 UNF	33	78	1407	1239	229	70		76	69
37	35.2	517	215	152	¼ BSP	7/8 UNF	33	78	1407	1239	243	70		76	69
54	49.2	480	215	119	¼ BSP	M50x 1.5P	69	66	1922	1766	229	70		76	69
57	54.5	517	215	220	¼ BSP	M50x 1.5P	69	66	1980	1824	243	70	76	69	

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

Dimension J

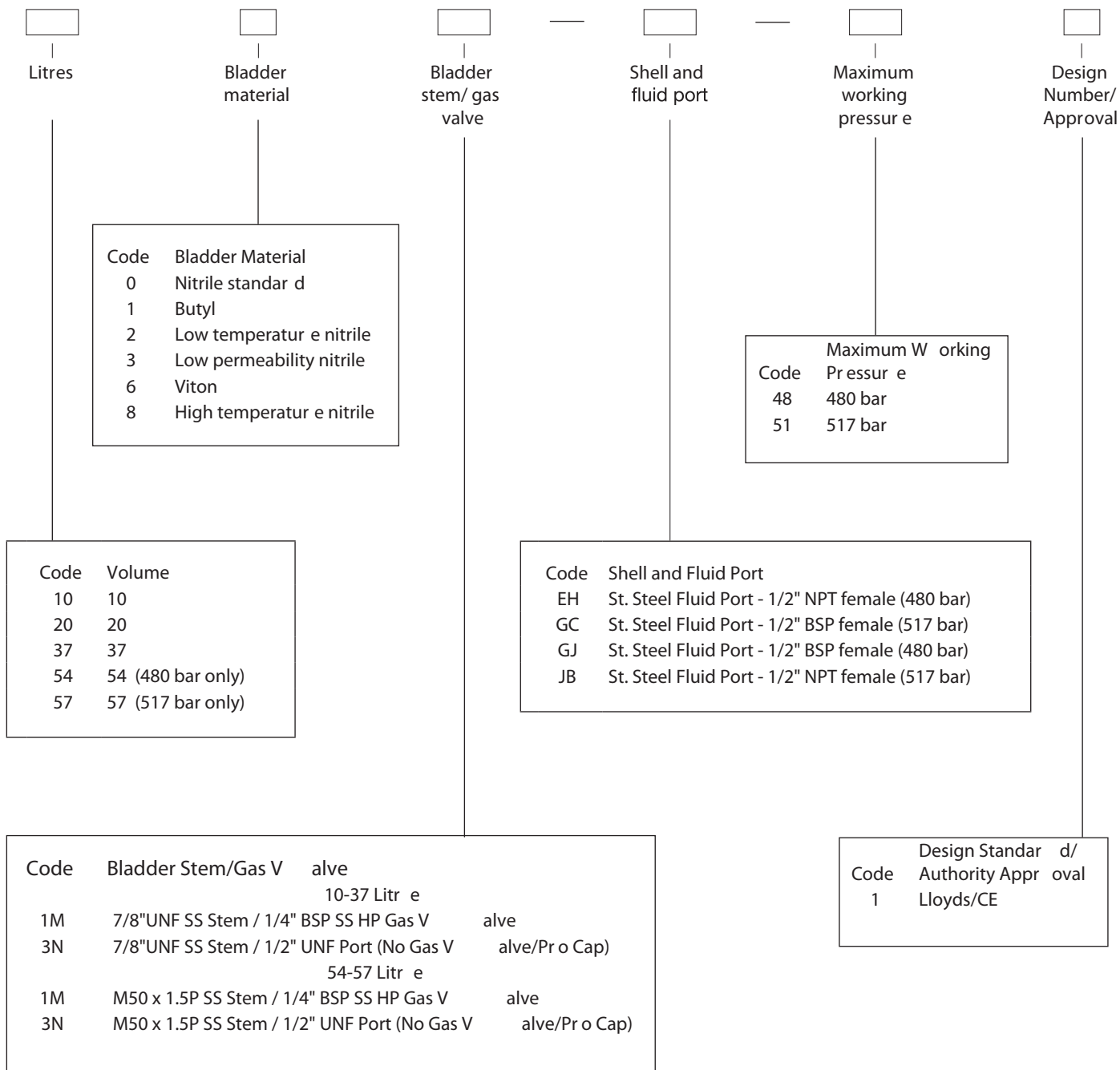
Code	Shell and Fluid Port
EH	Stainless Steel - 1/2" NPT female (480 bar)
GC	Stainless Steel - 1/2" BSP female (517 bar)
GJ	Stainless Steel - 1/2" BSP female (480 bar)
JB	Stainless Steel - 1/2" NPT female (517 bar)

Other available on request.





How to Order Bladder Accumulators



Example: 1001M-EH-481

Litres:	10
Bladder Material:	Nitrile Standard
Bladder Stem/ Gas Valve:	7/8"UNF SS Stem / 1/4" BSP SS HP Gas Valve
Shell & Fluid Port:	Stainless Steel - 1/2" NPT female (480 bar)
Maximum working pressure:	480 bar
Design Number/ Approval:	Lloyds/CE

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