



1 - 50 Litre Industrial Bladder Accumulators 345/420 Bar

BESPOKE ACCUMULATORS AVAILABLE UPON REQUEST

**CONTACT QHP LTD FOR MORE INFORMATION:
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Bladder Accumulators

We offer fully repairable bladder type accumulators in a wide variety of sizes from 1 litre to 57 litres. We also offer protective internal and external coatings or corrosion resistant materials as required.

Our standard bladder accumulators are manufactured to international standards up to pressures of 690 bar (10,000 PSI) as standard (see our Design Standards section for more information). The components for this large range of Accumulators are usually carried in stock.

Bespoke units are available upon request to cope with low/high temperatures, aggressive fluids, or high flow rates, again many components will be carried in stock.

STANDARD BLADDER TYPE HYDRAULIC ACCUMULATORS:

- 1 to 57 Litre Nominal Capacity
- Chrome Molybdenum Steel
- Stainless Steel or Carbon Steel Connections available
- MaWP of 420 Bar & 690 Bar Standard Vessels
- BSEN 14359 Design Standard
- PED 2014/68/EU Certified (CE Marked)
- Non standard options are available
- ASME VIII Division 1 with the option for U Stamp and National Board Registration
- AS1210 Australian Pressure Vessel Standard
- Others available on request

DESIGN STANDARDS

QHP can design and manufacture to the following standards:

- BSEN 14359 (British/European Accumulator Code)
- ASME VIII Division 1 (U Code Stamp available)
- AS1210 (Australian Pressure Vessel Code)

QHP CAN ALSO OFFER THE FOLLOWING APPROVALS:

- PED 2014/68/EU (European Pressure Equipment Directive)
- ATEX 2014/34/EU
- Lloyds Register
- NB (National Board)
- DNV GL (Det Norske Veritas)
- ABS (American Bureau of Shipping)
- USCG (US Coast Guard)
- BV (Bureau Veritas)
- CRN (Canadian Registration Number)
- Australian Design Registration for all Australian States.
- SELO for China
- DOSH for Malaysia
- NR13 for Brazil
- 3A Marking for Serbia



SPECIFICATION:

Standard Pressure Industrial Bladder Accumulator

- Capacity: 1 to 50 Litre
- Shell Material: Chromium Molybdenum Alloy Steel
- Connection Material: Carbon (Up To 345 Bar) Or Stainless Steel (Up To 420 Bar)
- Gas Connection: ¼" BSP Male Gas Valve (316 Stainless Steel)
- Fluid Connection: See Table Below
- Maximum Working Pressure: 345/420 Bar
- Design Pressure: 345/420 Bar
- Hydrostatic Test Pressure: 493.35/600.6 Bar
- Metallic Design Temperature: -40°C to +80°C (Standard)
- Elastomeric Operating Temperature: Various Elastomers Available
- Design Code: BS EN 14359
- Approval: PED 2014/68/EU
- Dimensions & Weight: See Table Below

BLADDER & ELASTOMER:

- Available In A Range Of Elastomers To Suit Operating Conditions

FLUSHING:

- SAE AS4059 Class 6B-F or NAS 1638 Available
- Medium: Water Glycols & Mineral Oils

EXTERNAL COATING:

- Special Offshore Topside Paint Specifications Available Upon Request
- Norsok M501 System Coatings

MATERIAL CERTIFICATION:

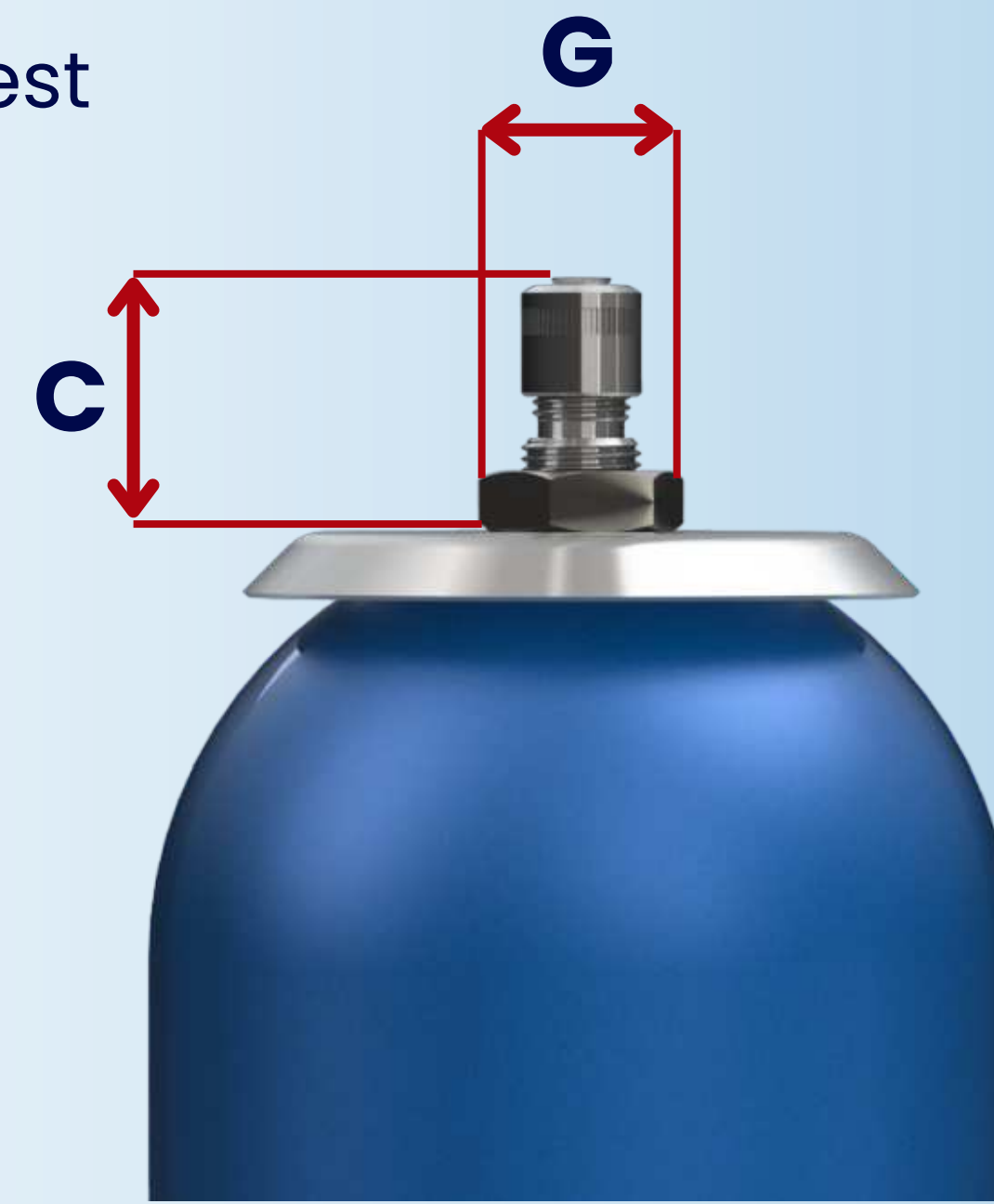
- BS EN 10204-3.1 For Major Pressure Retaining Components
- C of C, D of C & Process Certification

ACCESSORIES AVAILABLE:

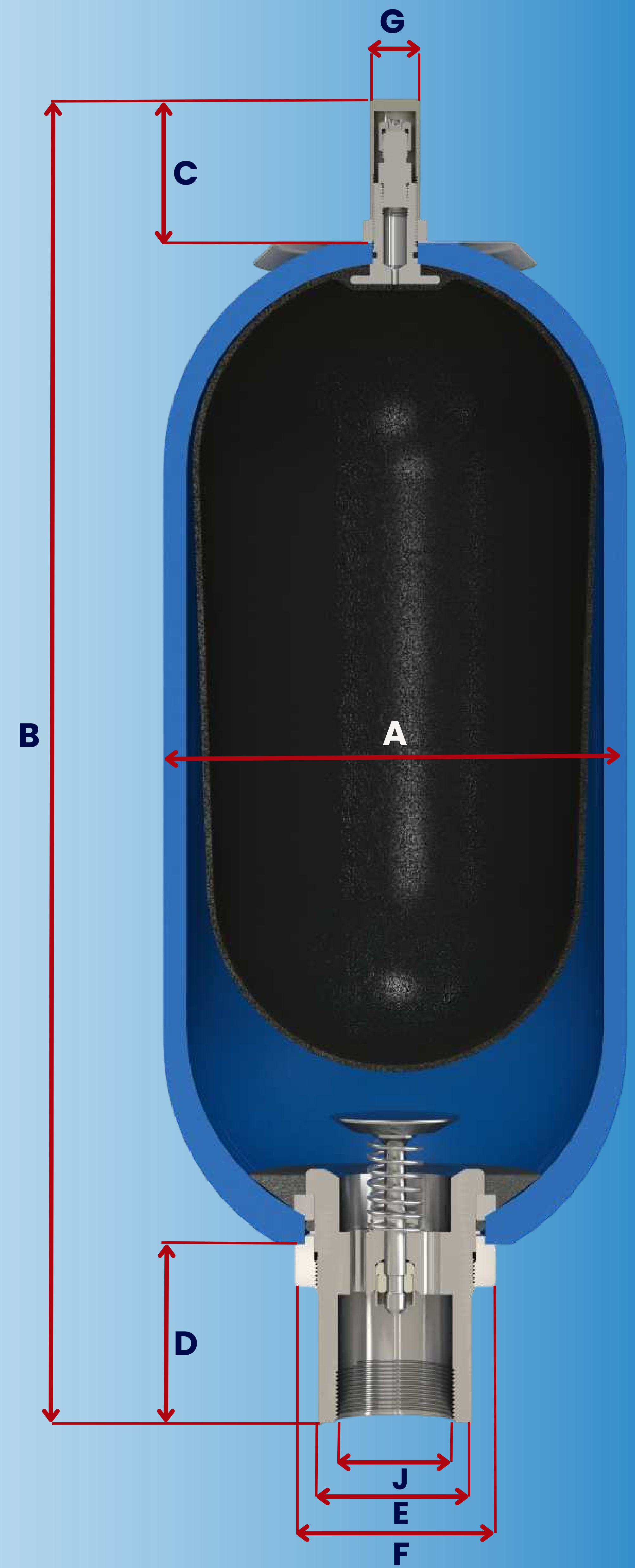
- Clamps & Brackets (Carbon & Stainless Steel)
- Fluid Side Safety Blocks (Optional relief valves)
- Portable Charging Sets
- Internal Electroless Nickel Plating (ENP)

PERMANENT CHARGING BLOCKS:

- ¼" BSP Gas Valve Connection
- Burst Disc (Option)
- Various Connections Available



* 1 & 2 Litre Accumulators Are Not Fitted With A Protective Cap As Per Above Illustration



DIMENSIONS

Nominal Capacity (Litres)	Gas Volume (Litres)	Weight (kg)	ø A (mm)	B Max. (mm)	C (mm)	D (mm)	ø E (mm)	ø F (mm)	ø G* (mm)	J (BSP)
1.00	1.25	4.5	114	290	29	65	45	63	27	1"
2.00	2.25	11	114	440	29	65	45	63	27	1"
4.00	3.75	13	170	450	70	90	60	79	25	1 1/4"
10.00	9.25	45	229	595/580	70	105	76	100	25	2"
20.00	18.75	65	229	897/882	70	105	76	100	25	2"
25.00	25.75	85	229	1175/1160	70	105	76	100	25	2"
35.00	35.25	100	229	1425/1410	70	105	76	100	25	2"
50.00	49.25	135	229	1940/1925	65	105	76	100	63.5	2"