

SPECIAL ORDER BLADDER ACCUMULATORS

BLADDER ACCUMULATORS

Accumulators, Inc. offers many special products and services including Buoyant Float Accumulators (p. 44), interior and exterior coatings, alternate design approvals and user-specified custom items.

SPECIAL SERVICES

We offer a variety of special services on all of our accumulators. We offer five main service types (below), but can customize to meet your needs. To order, add the 2-letter code in parenthesis to the end of our standard part number.

(WS) WATER SERVICE ACCUMULATORS

For high water content applications and when internal corrosion protection is necessary, these units have Phenolic coated interiors and two-coat, zinc-epoxy painted exteriors. The units contain a mix of electroless-nickel plated and stainless steel components, designed for in-plant use.

(PS) WATER & CHEMICAL SERVICE ACCUMULATORS

Our PS units have phenolic-coated interiors for corrosion protection and primed exteriors with stainless steel components. Used primarily for high water content applications when stainless steel parts are necessary.

(NP) NICKEL PLATED ACCUMULATORS

Both the interior and exterior of these units are electroless-nickel plated, perfect for chemical and harsh environment applications. Stainless steel components.

(XS) EXTREME SERVICE ACCUMULATORS

These accumulators were created specifically for offshore drilling applications. These units have been designed with maximum corrosion protection, high-pressure fittings, low-temperature components and improved external sealing. Thousands of these units are currently being operated subsea at various depths.

(AS) ALL STAINLESS STEEL ACCUMULATORS

These accumulators have a seamless (non-welded) forged 316 stainless steel shell. All components are 300 series stainless steel, available in standard 2000 psi and special order higher-rated designs.

STANDARD CORROSION PROTECTION OPTIONS			
PART	WATER SERVICE (WS)	NICKEL PLATED (NP)	EXTREME SERVICE (XS)
Protective Cap	Carbon Steel	316 Stainless	316 Stainless
Hex Jam Nut	Zinc Plated Carbon	300 Series Stainless	300 Series Stainless
Oil Port	Nickel Plated Carbon	316 Stainless	316 Stainless
Poppet	300 Series Stainless	300 Series Stainless	300 Series Stainless
Spring	300 Series Stainless	300 Series Stainless	300 Series Stainless
Piston	300 Series Stainless	300 Series Stainless	300 Series Stainless
Elastic Stop Nut	300 Series Stainless	300 Series Stainless	300 Series Stainless
Anti-Extrusion Ring	Nickel Plated Carbon	Nickel Plated Carbon	Nickel Plated Carbon
Spacer	Nickel Plated Carbon	316 Stainless	316 Stainless
Locknut	Nickel Plated Carbon	316 Stainless	316 Stainless
Interior Shell	Phenolic Coating	Electroless Nickel	Phenolic Coating
Exterior Shell	3-Coat Marine Epoxy	Electroless Nickel	3-Coat Marine Epoxy
Bleed Plug	316 Stainless	316 Stainless	316 Stainless
Gas Valve Stem	Carbon Steel	316 Stainless	316 Stainless
Metal Backup Ring	316 Stainless	316 Stainless	316 Stainless

SPECIAL ORDER ACCUMULATOR OPTIONS						
TYPE	WS	PS	NP	XS	AS	CS
Phenolic Interior	X	X		X		
Stainless Parts		X	X	X	X	X
Stainless A/X Ring					X	
Nickel Plated Shell			X			
Primed Exterior only		X				X
Nickel Plated Parts	X					
Nickel Plated A/X Ring	X	X	X	X		X
Marine Epoxy Exterior	X			X		
Stainless Shell					X	

Other special order materials and combinations are available as required to meet your needs.

ALTERNATE DESIGN APPROVALS

Most ACC INC accumulators are designed to the strict guidelines of the ASME Boiler and Pressure Vessel Code, witnessed and stamped with the ASME symbol, and registered with the National Board of Boiler and Pressure Vessel Inspectors. Many other design approvals or authority reviews, such as CE, DNV, ABS, CRN, Lloyds, NR-13, AS1210, etc. are available by request at additional cost. We can also modify existing units under the National Board Inspection Code "R" stamp.