Extremely adaptable and customizable, basic and specialized designs of Tobul Piston Accumulators by Freudenberg can be produced to meet each customer’s specific needs—physical size, fluid volume, pressure, corrosion resistance, method and material of construction, and/or certifications.

The wide variety and versatility of Tobul Piston Accumulators allows their use in over 90% of all potential applications. From volume of a few cubic inches to hundreds of gallons and up, to 20,000 psi MAWP, the piston-type hydro-pneumatic accumulator can meet the diverse needs of industry with standard or custom designs.

Proven in diverse applications around the globe, Tobul Piston Accumulators provide reliability, durability, and cost-effective performance with:

- A comprehensive selection of gas and fluid connections
- A wide range of materials, seal types and configurations
- A range of construction techniques—Threaded, Welded, Threaded and Welded
- A comprehensive selection of regional and global design and construction certifications

VALUES FOR THE CUSTOMER

- Proven durability and performance
- Exceptional versatility with a wide range of applications
- Freedom from potential catastrophic bladder failures
- Extended maintenance intervals
- Customer-specific solutions
FEATURES AND BENEFITS

AL SERIES—All-Welded EconoLator® Type
The all-welded, permanently sealed, EconoLator® is a 2500 psi MAWP accumulator design, available in sizes from 2.25” to 6.75” OD, with capacities from 0.5 pints to 7.5 gallons. It has been developed to meet the needs of the OEM market for an easily replaceable unit.

AT SERIES—Threaded and Welded
With both welded and threaded heads, the repairable AT SERIES 3000 psi accumulator readily meets the needs of many hydraulic system users. Available in sizes from 3” to 6.75” OD, with capacities from 0.5 pints to 3 gallons, these units can be manufactured with a variety of materials, seal types, and porting.

A SERIES—All Threaded
Available in a wide variety of sizes, designs, and materials, the all-threaded A SERIES accumulator can accommodate up to 10,000 psi in standard sizes, with volumes from 1 gallon to 200 gallons. Adaptable to almost any hydraulic system, Tobul all-threaded designs from 3” to 14” OD are found all around the globe, in industrial, commercial, and oil and gas market applications. These are our most popular design.

RR Retaining Ring Style
Larger diameter (>12” ID) ASME pressure vessel standards call for a head retention system which insures the strength of the vessel. Tobul’s retaining ring style provides exceptional strength and durability for the larger volumes and higher pressures of these units, along with the ability to examine and re-seal as necessary. Retaining ring style is normally utilized for 14” through 24” OD units, in both carbon steel and stainless steel.

Custom Design Series
Specialty accumulators and gas bottles are custom designed and built to specific requirements, with up to 20,000 psi capability, and 300 gallons of fluid capacity, utilizing many types of materials and seal configurations. Specialty units are found throughout the industrial, commercial, and oil and gas industries around the world.

A variety of models and sizes are available. Contact tobulsales@fst.com for details.

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.