The Freudenberg Hydraulic Piston Accumulator consists of two components: a gas chamber and a fluid chamber, with a gas-proof piston seal separating the components.

The fluid chamber is directly connected to the hydraulic circuit within the application. When the pressure in the hydraulic circuit rises, the accumulator stores the hydraulic fluid and the nitrogen-filled gas chamber becomes compressed.

Minimizing the loss of hydraulic pressure is the primary benefit and the reason for using hydraulic accumulators within a hydraulic circuit. Hydraulic accumulators also decrease the consumption values and reduce CO₂ emissions.

VALUES FOR THE CUSTOMER

Customized solutions enable the hydraulic piston accumulator to become an excellent component in a variety of product applications, such as automated control gears, dual clutch transmissions, and start-stop systems.

Customer-Specific Benefits

- Customizable designs
- Rapid production of prototypes
- Test stand for pre-validation tests available
- The engineering process is optimized to meet the specific requirements of the given application

General Product Information

- High-quality seal material with low permeation
- Fully automatic assembly procedure
- Possibility of a high piston speed
- Small hysteresis
- High durability and low maintenance
- Compact design