

HYDRAULIC PISTON ACCUMULATOR

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