



Local Solutions For Individual Customers Worldwide



## STAUFF Accumulators

### Product Overview

**STAUFF Accumulator - Product Catalogue**


The STAUFF Accumulator Product Catalogue is now available online, featuring:

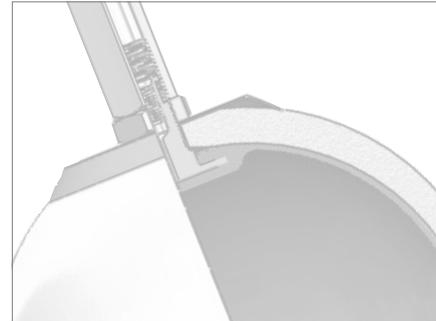
- General Information
- Bladder Accumulators
- Diaphragm Accumulators
- Special Products
- Accessories
- Pre-charging and Testing Equipment
- Servicing & Maintenance

Download a copy now from [accumulators.stauff.com.au](http://accumulators.stauff.com.au)

**Product Description**

Incorporating STAUFF's easy connect gas valve design, and available in a comprehensive range of sizes, materials, port configurations and pressure ratings, STAUFF hydraulic accumulators regulate performance and enhance system efficiency by storing pressure and energy for emergency and safety functions, absorbing hydraulic shock, reducing noise, and dampening pump pulsations and fluctuations.

STAUFF accumulators also provide excellent gas and fluid separation, ensuring dependable performance, maximum efficiency and increased equipment service life.


**Bladder Accumulators**

Bladder accumulators operate as a hydraulic spring by using the system hydraulic fluid to compress nitrogen gas stored in the accumulator.

Available in a comprehensive range of sizes, materials, port configurations and pressure ratings, and incorporating STAUFF's easy connect gas valve design - as well as other gas valve options.


**Bladder Assemblies**

- STBA Series
- Fluid Port - BSPP Female Flat Face
- Fluid Port - 11/2" SAE Code
- 360 bar AS1210
- 3000 / 4000 PSI ASME


**Bladder Kits and Spares Parts**

- Bladder Kits
- Gas Valves
- Fluid Ports & Anti-Extrusion Rings
- Fluid Port Adaptors

**Diaphragm Accumulators**

Diaphragm accumulators function along similar principles as bladder accumulators, however, they are a permanently welded vessel, with a rubber diaphragm instead of a bladder.

STAUFF Diaphragm accumulators are compact and lightweight and available in a range of sizes from 0.075 Ltr to 2.8 Ltr with various gas valve thread options.


**Diaphragm Accumulators**

- STDA Series
- M28 x 1.5 Gas Valve (standard)
- 0.075 Ltr - 2.8 Ltr


**Gas Valve Conversion Adapters**

- G1/4" Adaptor Connection

**Special Products**

STAUFF offer a range of special options for bladder and diaphragm accumulators and alleviators for controlling surge and pipeline shock in systems both in onshore / offshore applications and where the application environment is aggressive.


**Stainless Steel Accumulators**

**Stainless Steel Bladder Accumulators**

**Surge Alleviators - Low Pressure**

**STAUFF Accumulator Catalogue**  
Refer to pages 10 - 20 for more information

**STAUFF Accumulator Catalogue**  
Refer to pages 22 - 24 for more information

**STAUFF Accumulator Catalogue**  
Refer to page 26 for more information

**STAUFF Accumulator Advantages**

STAUFF's range of accumulators have been designed to include additional benefits and features for modern mobile and stationary hydraulic systems. These include:


**Bladder Accumulators**
**Gas valves**

Various gas valve designs to suit different applications and customer requirements

**Dual design code approval**

Australian (AS1210) and International (ASME)

**Bleed valve**

Fluid port with a STAUFF test coupling at the bleed valve  
> 4 litres

**Flat face seal connection**

Fluid port with a standard flat face seal



**STAUFF's exclusive easy connect gas valve**

**STAUFF Test Coupling Gas Valve**
**Easy connection**

STAUFF test coupling permits easy connection of other equipment without special manifolds; thus reducing the risk of potential leakage points.

**Easy removal**

Accessory equipment connected to the gas valve can be easily removed without draining the accumulator pre-charge

**Checking pre-charge**

Exclusive accumulator gas valve test coupling facilitates pre-charge checking without a charging kit, using a STAUFF safety pattern pressure gauge and direct gauge adaptor


**Permanent gauge mounting**

Gauge and gauge adaptor can be permanently attached to the accumulator gas valve for visual checking of the pre-charge pressure


**STAUFF PT-RF Wireless Pressure Tester**
**Test multiple accumulators**

Each PT-RF sensor has a unique serial number, therefore numerous accumulators can be checked and logged using the one PT-RF reader

**Data storage**

The PT-RF Reader can store over 15,000 measurements, recording pressure and temperature data

**No power required**

The measurement recordings are delivered from the PT-RF transmitter in the accumulator to the PT-RF reader using RFID technology, therefore the pressure transmitter requires no internal or external power supply

**Quick & easy to use**

The PT-RF transmitter is activated by the press of a button and the measured value is determined within only 0.5 seconds. A maximum distance of only 1.5 cm is required from the antenna to the tip of the PT-RF transmitter for the reading's duration

**Checking pre-charge**

The PT-RF transmitter can be used to check the pre-charge pressure. Connection is made easy by a STAUFF test adaptor directly connected to the test coupling gas valve.


**Certifications**

- Australian Design Code Standard - AS1210
- ASME Design


**Accessories**

STAUFF stock a comprehensive range of accessories for bladder and diaphragm accumulators. All accessories are designed for use with STAUFF accumulators to compliment your system's application and design.


**Pre-charging & Testing Equipment**

STAUFF's range of pre-charging and testing equipment provide a safe and reliable method of checking and pre-charging accumulators. All accumulator charging kits and permanent charge heads are supplied with STAUFF's safety pattern pressure gauge according to AS1349.


**Servicing & Maintenance**

STAUFF provides servicing and maintenance options for accumulators and accessories, including instructions for checking pre-charge pressure, pre-charging, bladder replacement, as well as comprehensive assembly and disassembly instructions. A step-by-step troubleshooting guide to help identify damage, cause and response, as well as safety and disposal procedures is also available.


**Accumulator Clamps**

- To suit Bladder & Diaphragm Accumulators


**Bladder Accumulator Supports**

**Safety Blocks**

**Burst & Fuse Discs**

**Replacement Back-up Bottles**

**Accumulator Charging Kits**

- Universal Charging Kit
- Direct Accumulator Charging Kit SKK20 Series


**Accumulator Charging Kit Instructions**

- Universal Charging Kit
- Direct Accumulator Charging Kit SKK20 Series


**PT-RF Series**

- Pressure Transmitter
- Reader


**Permanent Charging Heads**

- To suit Bladder & Diaphragm Accumulators


**Nitrogen Gas Regulator**

**Bladder Replacement**

- Assembly Procedure
- Disassembly Procedure


**Troubleshooting Guide**
**STAUFF Accumulator Catalogue**

Refer to pages 28 - 36 for more information

**STAUFF Accumulator Catalogue**

Refer to pages 38 - 46 for more information

**STAUFF Accumulator Catalogue**

Refer to pages 48 - 63 for more information



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