



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

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 - 1/2" 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.



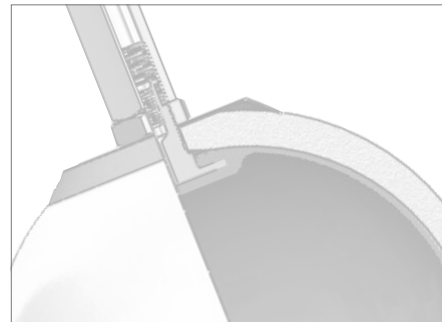
Diaphragm Accumulators

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



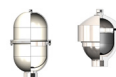
Gas Valve Conversion Adaptors

- 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



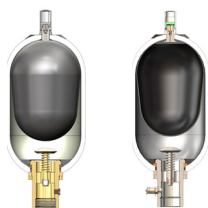
Stainless Steel Bladder Accumulators



Surge Alleviators - Low Pressure

STAUFF Accumulator 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

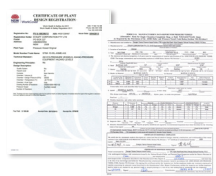
The measurement recordings are delivered from the PT-RF transmitter in the accumulator to the PT-RF reader using RFID technology, therefore the pressure transmitter requires no internal or external power supply

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.



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



PT-RF Series

- Pressure Transmitter
- Reader



Permanent Charging Heads

- To suit Bladder & Diaphragm Accumulators



Nitrogen Gas Regulator



Accumulator Charging Kit Instructions

- Universal Charging Kit
- Direct Accumulator Charging Kit SKK20 Series



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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