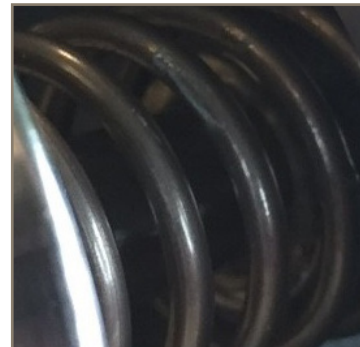




Storage, Recycling & Disposal

Bladder Accumulators

Electronic Catalog: HY10-1632-M2.4/US



ENGINEERING YOUR SUCCESS.



Machesney Park, Illinois
10711 N. Second Street, Machesney Park, IL 61115



Santa Fe Springs, California
14087 Borate Street, Santa Fe Springs, CA 90670

If you have questions about the information contained in this Maintenance & Installation Guide, please contact:

Accumulator & Cooler Division - Americas
phone **815 636 4100**
parker.com/accumulator

The information specified in this guide serves to help understand how to install & maintain the product. The information given does not release the user from their own judgment and obligation of verification. The natural process of wear and aging also impacts how easily a product can be serviced.

Extra care is taken in the preparation of this literature, but Parker is not responsible for any inadvertent typographical errors or omissions. Information in this guide is only accurate as of the date of this publication. For a more current information base, please consult the Parker Accumulator & Cooler Division website at: www.parker.com/accumulator

Offer of Sale

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions in the "Offer of Sale."

⚠ WARNING - USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise. The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors. To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

© Copyright 2016 Parker Hannifin Corporation. All rights reserved.



Storage**Bladder Accumulator Storage**

BA Series Accumulators are supplied with a primer coat. Under the following conditions, this coat will provide as new condition for up to 3 years:

- The storage facility must be cool, dry, and constant.
- Storage temperature should be between 50°F and 90°F (10°C – 32°C).

Procedure after expiration of maximum shelf life:

- Visually examine the bladder accumulator for any damage and corrosion.
- If rust is detected, remove and repaint. If parts are pitted, replace with new components. If protective plating is damaged, replace with new components.
- Replace the bladder, seals, and gas valve by way of precaution.

⚠ Please note that the warranty period is not prolonged by the storage time.

Bladder Storage**Normal storage life (Up to 1 year from date of shipment):**

- Storage conditions consist of the bladder being heat sealed in a 5 mil minimum black polyethylene bag or a 3 mil minimum U.V. resistant bag. It should then be placed in a cool dry place away from direct sun, ultraviolet & fluorescent lights, as well as ozone producing electrical equipment (ie. Fans or motors). Storage temperature should be between 50°F and 90°F (10°C – 32°C).

- **⚠** Direct sunlight, fluorescent light, or ozone producing electrical equipment can cause the bladder to weather check and dry rot, which appear on the bladder surface as cracks.
- Bladders are to be wrapped per **Figure 21** or laid flat without bending or folding.



Figure 21

Extended storage life (Up to 3 years from the date of shipment):

- Extended life can be achieved by having the bladder charged with 1-4 PSIG of nitrogen to its full size. (See **Figure 22**.)
- Heat seal bladder in a 5 mil minimum black polyethylene bag or a 3 mil minimum U.V. resistant bag.
- The air in the plastic bag should be purged using nitrogen prior to sealing.

The bag must then be placed in an appropriate size cardboard box, sealed and kept in a cool and dry place away from direct sunlight, ultraviolet, and fluorescent lights as well as ozone producing electrical equipment. Storage temperature should be between 50°F and 90°F (10°C – 32°C).

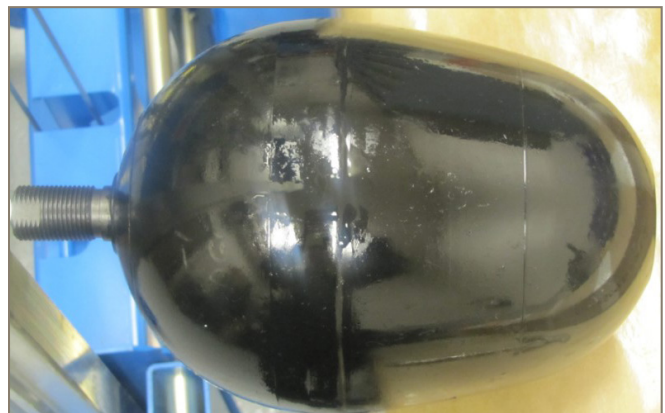


Figure 22

How to Determine how Long a Bladder Has Been in Storage

To monitor how long a bladder is kept in storage, the manufacturing date code can be used. The date code can be found on the bladder stem marked: mm/dd/yy.



Figure 23

Recycling & Disposal

Prior to recycling, the accumulator must be made inoperable by drilling through its cylindrical shell. Once inoperable, the accumulator can be recycled by separating the steel parts from the rubber seals and bladder. Recycle rubber and steel parts separately.

Bladder Accumulators can contain residual hydraulic fluid. The hydraulic fluid can be hazardous to the environment. Dispose of the bladder-type accumulator in accordance with the provisions applicable in your country. Dispose of any hydraulic fluid residues according to the respective safety data sheets valid for these hydraulic fluids.



Parker Hannifin Corporation
Accumulator & Cooler Division
10711 N Second Street
Machesney Park, IL 61115
phone 815 636 4100
fax 815 636 4111
www.parker.com/accumulator