Diaphragm Accumulator
Safety Information

The following safety information must always be followed with working with diaphragm accumulators.

- **Only use an inert gas like nitrogen for pre-charging.** Nitrogen that is 99.99 percent pure by volume is strongly recommended. Do not use oxygen or shop air, as this may lead to a fire or explosion.
- **Modifying a diaphragm accumulator** (i.e. welding, brazing, machining, or the use of non-original replacement parts) **may compromise the integrity of the pressure vessel.**
- **The operating pressure of the accumulator must not exceed the maximum operating pressure and temperature ranges must be within those indicated on the label or nameplate.**
- The diaphragm accumulator **must not be operated with group 1 hydraulic fluids** (explosive, inflammable, toxic) **or with corrosive fluids.**
- **Never loosen the gas valve while the accumulator is under pressure.**
- **Always assume the accumulator is under pressure until it is confirmed that the accumulator is not under pressure.**
- **Never add unnecessary weight or load on top of the accumulator, never use the accumulator as a structural support and never step on them.**
- **The accumulator may become very hot during normal operation.** Allow the accumulator to cool before doing any servicing or touching it.
- **Always wear personal protective equipment (PPE) like safety glasses and protective gloves when servicing the accumulator.**
- **Always use genuine Parker replacement parts.**
- **Before pre-charging, a diaphragm accumulator read our accumulator maintenance manual. You can find it at parker.com/accumulator.**

⚠ 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.

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