

Instructions for Use

Large Molded Relief Valve Installation for Manufacturers and Service Stations

Cat. Items: 2110PK03C, 2110PK05C, 2110PK10C,
2110PK15C, 2110PK30C, 2110PK50C, 2110PK70C,
2110P05C, 2110P10C, 2110P15C, 2110P50C,
2110P70C

Tooling: 1-11/16" 6 PT Socket 3/4" Drive,
Westward 10E285;
2-9/16" 8 PT Socket 3/4" Drive,
OTC 1905

⚠ Cautions:

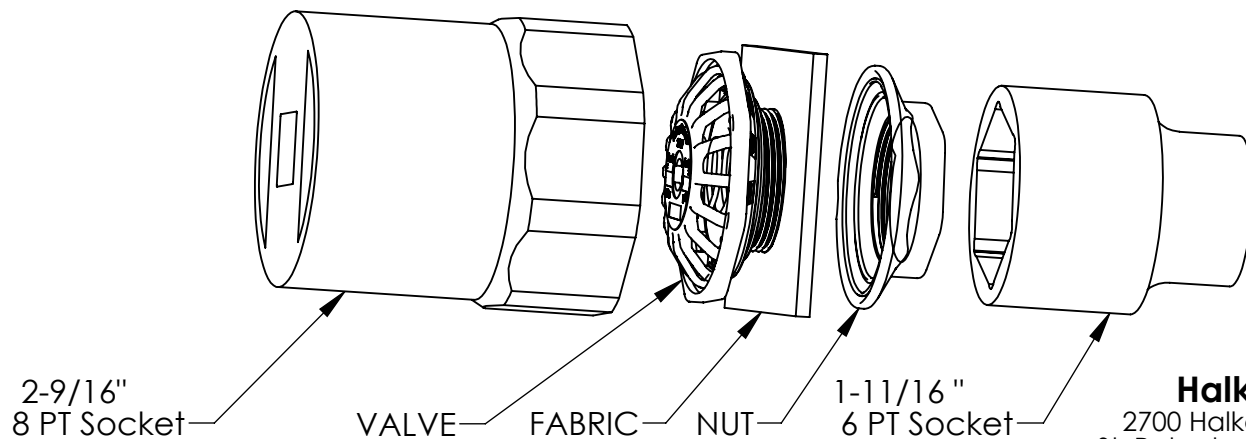
- Carefully follow the directions below to maintain the relief valve integrity.
- The manufactures leak test procedure for the specific Inflatable Structure should be used after valve installation.
- To prevent valve damage, follow proper torque settings. Do not exceed 16 ft-lbs (2.2 Kg-m).
- When heating remove valve.
- Do not heat valve above temperatures of 200 °F (93 °C).
- Do not torque valve when hot, wait until after the unit has completely cooled.
- The pressure value on the label is the nominal rated opening pressure for the valve.

REFERENCE MATERIAL: Inflatable Structure Owner's Manual

Installation Instructions:

1. It is recommended that reinforcing patches be used in the area that the valve is installed in.
2. A 1 ½ " diameter hole is necessary.
3. Clamp the material between the two flanged surfaces by holding the Body using a 2-9/16" Socket and the Nut using a 1-11/16" Socket with a torque wrench.
4. If a heat cure is necessary for the adhesive of the structure remove the valve.
 - Do not torque valve when hot, wait until it has completely cooled.
5. Hand tighten nut, than pull fabric taught over valve.
6. For ISO 15738 certified Fabrics: Torque the valve to 15 to 16 ft-lbs (2.1- 2.2 Kg-meters).
For all other Fabrics: Torque the valve to a maximum of 15 ft-lbs (2.1 Kg-meters).
7. Re-torque the nut after 24 hrs. This compensates for the fabric stretching.
8. Turn nut counterclockwise 1/8 turn. This breaks the static friction between the nut and fabric.
9. Then turn nut clockwise to desired torque.
 - Note: The final torque value must be done in 1 continuous action.
10. Perform a leak test on the structure using the manufactures procedure.
11. Repack the structure using the manufactures procedure in your Owner's Manual.

NOTE: Upon clamping of the valve, the fabric around the flange will become wavy. This will disappear once the structure is inflated.



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