Therm-Equip, Inc

High Temperature Application GLOVEBAGS

Use Instructions

Use Instructions for Therm-Equip High Temperature Application Glovebags

In 1995, OSHA issued a letter allowing the use of an "innovation in glove bag technology" on pipes over the 150°F limitation that is imposed on standard 6mil polyethylene glovebags. This technology is the Therm-Equip High Temperature Application Glovebag.

There are currently three different products designed for working on pipes at various high temperature ranges. There is a product for applications between 150°F and 300°F, the PC300. A product for 301°F to 400°F, the PC400 and a product for applications from 401°F to 700°F, the PC700. These glovebag products are available for pipes sizes up to 30" in diameter for both horizontal and vertically situated pipes.

PC300 Glovebags: 150F-300F

PC400 Glovebags: 301F-400F

PC700 Glovebags: 401F-700F

1-800-635-1551 Grayling™ an ILC Dover Company Graylingindustries.com

1008 Branch Drive • Alpharetta, Georgia 30004

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The high temperature glovebag removal process is essentially the same as the process for utilizing the standard polyethylene glovebag, however, due to the high heat environment in which the bags are used, there are some variances:

- **High Temperature glovebags** are designed to withstand up to 2 hours of exposure to the high heat environments for which they are intended.
- **The PC300** can be attached to the pipe using the same type of duct tapes used to attached polyethylene glovebags (a high quality tape such as the Nashua 357 is recommended).

- **The PC400 and PC700** are manufactured from a silicone treated fiberglass type of material that duct tape will not stick to. The process for attaching these bags to the pipe will take two operators.

  - One operator will position the bag correctly on the pipe and the other operator will gather the tops of the bag together above the pipe and roll the material down to about 3" or 4" above the pipe.
  - The first operator will then use a stapler (the Bostich P-6-8 stapler with STCR-5019 staples is recommended) to staple together the material.
  - Use the "collars" and straps provided to attach the ends of the bag to the pipe.
  - Apply a bead of RTV (Room Temperature Vulcanizing) silicone sealant to the seams to complete the airtight seal between the bag and the pipe.

- **Because steam could be generated** inside the glovebag when water is introduced, dry removal is required. The material may be wetted in the debris area of the bag once the insulation has cooled to a temperature below 200°F. A variance may be required for utilizing a dry glovebag removal process.
- **The "viewing port" or window** on the PC700 products should not be allowed to come into contact with a pipe that is over 500°F. Ideally, the viewing port should be positioned so that it is at least four inches away from a pipe over 500°F in temperature.

Also to be considered when employing High Temperature Application glovebags are general safety considerations:

- **In addition to general precautions** to avoid burns on the hands, arms, legs and torso, precautions should be taken to avoid heat stress.
- **Supplied air respirators are recommended** when working on high temperature pipes and mandated when pipe temperatures exceed 425°F.
- **Materials and supplies** used in the area of the high temperature work should be appropriate for the application. For instance, protective coveralls manufactured from spun-bonded polypropylene are not recommended. Coveralls made from fabrics such as Sontara® or Nomex® or Indura® are more appropriate. Six mil polyethylene asbestos waste disposal bags can be used for waste disposal, however the waste debris needs to cool to below 150°F prior to packaging.

Contact Grayling Industries or your Grayling products distributor for more information.

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