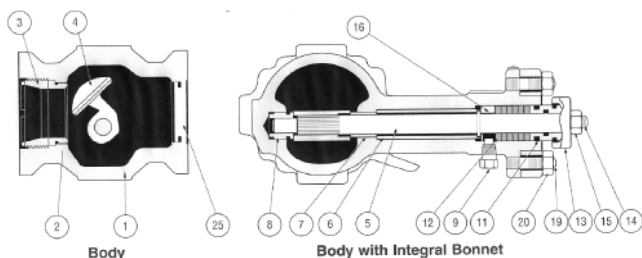


DuPont™ Krytox® Grease for Steam Control Valves

DuPont™ Krytox® grease meets the need for a continuous lubrication cycle



Grease lubrication to bushes - items 7 and 8

Other Valve Applications

Any valve-handling media which could react with, degrade, or dissolve standard lubricants. Examples could include:

- Steam
- Aggressive / reactive gases
- Chemicals

DuPont fluorinated lubricants can also be used successfully in other types of applications. These synthetic oils and greases are ideal for many conditions, such as:

- continuous high temperatures up to 288 °C
- use around hazardous chemicals
- need for low friction coefficient
- where flammability is a concern, including reactive gases and oxygen service

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The miracles of science™

Steam control valve application at a geo-thermal power plant

The power plant, located in Iceland, utilizes hot steam from the earth. The steam contains from 1% to 4% gas, mostly carbon dioxide and hydrogen disulphide, in temperatures ranging from 120 °C to 200 °C. A standard hydrocarbon-based grease was unsatisfactory for lubricating bushings for valves that control the flow of high temperature steam containing corrosive gases.

The Challenge:

The geo-thermal power plant needed a lubricant that

- Is able to withstand presence of acidic gases in high temperature steam
- Has low friction for accurate control of the valve position
- Can work in a self-greasing system

The Solution:

DuPont™ Krytox® GPL 206 grease met the challenge for lubrication of the steam valve bushing. It provided the low static friction and no stick-slip that is required for accurate position control. Krytox® GPL 206, like all Krytox® oils and greases, can withstand very high temperatures, is nonflammable, inert, and has a low environmental footprint. The power plant now enjoys reduced maintenance, thanks to high performance DuPont™ Krytox® lubricants - standing up to tough conditions .

**DuPont Performance Lubricants
Extreme Conditions. Extreme Performance.**

www.lubricants.dupont.com

For more information or for technical assistance, please call us at 1-800-424-7502 or contact us at krytox@usa.dupont.com.

For international sales and support contacts, visit us at www.lubricants.dupont.com