

## Technical data

# PVG-679

## Synthetic lubricant for petrochemical valves

### Description

MOLYSLIP PVG-679 is a fully synthetic grease specifically formulated for the lubrication of gate and plug valves operating in the petrochemical industry. The combination of synthetic base fluid, solid lubricants, corrosion inhibitors and stabilisers ensure that PVG-679 has maximum resistance to chemicals encountered in the exploration and production of crude oil and gas. The product acts as a lubricant to the valve components and will assist in maintaining or regaining sealing performance to minimise leakage.

Conventional valve lubricants can be dissolved or degraded by materials such as hydrocarbon solvents, gas condensates, H<sub>2</sub>S and mineral acids such as HCl. Should this occur the seals and other valve components can become dry - resulting in higher friction and wear and increased actuation torque, additionally voids left in the valve cavity can lead to further build-up of corrosive substances or other contaminants – resulting in further damage, leakage and ultimately seizure.

PVG-679 possess outstanding resistance to most chemicals used in the oil and gas exploration and production process. It will lubricate and protect valve components ensuring smooth, reliable operation and resist wash-out minimizing cavity contamination.

PVG-679 is suitable for use on most gate and plug valves across a wide operating temperature range of -20°F to 500°F (-29°C to 260°C).

Note: PVG-679 is not recommended for use on floating seat ball valves. The recommended product is MOLYSLIP BVL

### Features and benefits

- Outstanding resistance to exploration and production chemicals (hydrocarbons, gas condensate, H<sub>2</sub>S, mineral acids etc)
- Adhesive, tenacious film ensures maximum lubrication and protection
- Excellent lubrication and sealing properties
- Wide operating temperature range

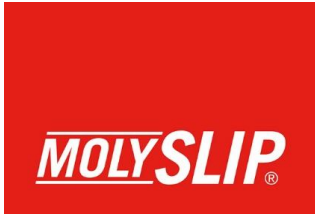
### Storage

MOLYSLIP PVG-679 should be stored in original, unopened packaging, out of direct sunlight at temperatures between 5°C and 35°C. The most up to date shelf life information for MolySlip products can be found on the certificate of analysis issued at the time of manufacture.

**Metalube Group Ltd**, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester, M44 5EG, UK

Tel: +44 (0)161 775 7771 enquiries@moly Slip.co.uk www.moly Slip.co.uk

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### Instructions for use

MOLYSLIP PVG-679 should be used in accordance with the valve manufacturer's instructions and lubrication schedule.

MOLYSLIP PVG-679 is designed to be injected into the valve body by means of a high pressure lubricator. For general use MOLYSLIP PVG-679 can be applied manually or by using suitable application equipment e.g. grease gun, keg pump, automatic systems suitable for handling NLGI 2 greases.

Minimum application temperature: +30°F (-1°C)

As with all greases used for the first time, check compatibility with the grease used previously and if necessary, purge prior to application.

### Packaging and product code

Code	Pack
M808020	22kg pail

#### Limited warranty information

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. We accept no liability for any loss and/or damage arising from a failure to store our products in accordance with the information contained in this technical sheet.

Metalube Group's sole warranty is that our products will meet their quality control specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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Property	Test method	Result
Appearance	-	Smooth grey/black grease
Worked penetration	IP50	265-295
NLGI classification	-	2
Drop point	IP132	>300°C
4-ball weld load	IP239	700kg
Density @ 20°C	MSTM 23	1.30 g.cm <sup>3</sup>
Operating temperature range	-	-29°C to 260°C

Note: these values are typical only and do not constitute a specification

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