

Ball Valve Lubricant

Description

Molyslip BVL is a soft, mobile grease lubricant specially designed for use in API 6D spring loaded floating seat ball valves used in the petrochemical industry. The product is based on a specially selected synthetic fluid that is fully compatible with the seal ring materials commonly found in this type of equipment.

Molyslip BVL contains highly effective anti-wear and corrosion inhibitor packages designed to provide the excellent wear and corrosion protection necessary for valves operating in these severely hostile working conditions. Molyslip BVL offers a high degree of resistance to washout by the hydrocarbon fluids, salt water, steam or aggressive chemicals encountered in this operating environment.

Molyslip BVL is based on a high film strength fluid that will adhere to the internal valve surfaces and remains mobile during use to ensure correct operation of the floating spring loaded seats within the seat pocket. Use of stiff grease prevents the seats following the movement of the ball as it floats and can result in leakage. The mobile nature of Molyslip BVL reduces the potential for sticking and allows the seats to move freely and form an effective seal. The product will not thicken or dry out at the temperatures commonly encountered in the intended application.

The operating temperature range for Molyslip BVL is -20°F to +400°F (-29°C to +204°C).

Features and benefits

- High film strength
- Excellent anti-wear properties
- Highly effective protection against corrosion
- Ensures effective seat / ball operation
- Compatible with commonly encountered seal ring materials
- Outstanding washout resistance
- Good resistance against oxidation at high temperature
- Remains mobile – will not thicken or dry out during use

Packaging

22 kg pail

Instructions for use

Molyslip BVL should be used in accordance with the valve manufacturer's instructions and lubrication schedule.

Molyslip BVL is designed to be injected into the valve body by means of a high pressure lubricator. For general use Molyslip BVL can be applied manually or by using suitable application equipment e.g. keg pump, automatic systems.

Molyslip BVL may be compatible with other synthetic oil based products, but for optimum performance equipment should be purged of previous lubricant and cleaned before introduction.

Note: for leaking ball valves use of Molyslip VLS should be considered.

Technical data (typical values)

Property	Test method	Result
Appearance	-	Soft grey/black grease
Worked penetration	IP50	330 – 360mm
NLGI Classification	-	1 / 0
Drop point	IP132	>300°C
Density @ 20°C	MSTM 23	1.30 g.cm ³
4-ball weld load	IP239	700kg
Operating temperature range	-	-20°F to +400°F (-29°C to +204°C)

Storage

Store Molyslip BVL out of direct sunlight. Storage temperature should be controlled to between 5°C and 35°C.

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.
Issue date 05-19