

OIL & GAS

World leaders in valve integrity

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TECHNICAL DATA SHEET

Quality Standards:
ISO 9001:2015
ISO 14001: 2015
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CLARETECH BVL

Synthetic ball valve lubricant and sealant
NLGI 1

Description	
<p>Claretech BVL is a specially formulated ball valve lubricant based on a fully synthetic oil and incorporating an advanced corrosion inhibition system and an inorganic thickener. It is specifically developed for use in API 6D ball valves under severe service conditions.</p> <p>Ball valves have internal seal rings which provide a bubble tight seal between the ball and valve body and are designed to provide a shut-off seal without the use of a sealant or viscous grease type compound. However, in use, any minor surface damage caused by corrosion or abrasive particles can result in leak pathways forming.</p> <p>Claretech BVL is recommended as an extremely effective preventative and corrective maintenance product, ensuring reliable valve performance.</p>	
Features and Benefits	
Synthetic base oil with high viscosity index	Good film strength at high and low temperatures
	Excellent oxidation resistance
	Resists stiffening and gum/varnish formation
	Naturally safe with almost all seals and elastomers
Inorganic Thickener	Insert and non-melting
Soft Texture	Ensures the correct operation of spring loaded seals
Solid Lubricant Package	Provides superb extreme pressure protection and superior leak sealing ability
Advanced anti-corrosion Additives	Protects metal surfaces from deterioration which can develop into leak pathways

Typical Characteristics		
Appearance	Visual	Smooth, adhesive
Thickener		Inorganic (non-soap)
Temperature Range		-25°F to 450°F
Penetration at 25°C	IP 50	310-340
Drop Point	IP 396	Non-melting
4-Ball Weld Load	IP 239	>620kg
Minimum Pumpable Temperature*		-10°F
Sealing Capability		0.1mm at 10,000 psi
Base Oil Characteristics		
Type		Synthetic
Resistance		
<ul style="list-style-type: none"> Acids & glycols Crude oil, natural gas, condensate, LPG Diesel fuel H₂S & CO₂ Salt water/brines Sand & drilling muds Steam 		
<p>* Pumpability temperature ranges refer to reasonable flow rates when using the Alemite 70:1 pump system (RS Clare configuration)</p>		