

Lubchem Products Catalog

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Revision 1/2000

Lubchem Valve Lube Sealants



Product Description	Product Description	Product Description
<p>Everlast 1 Multi-Purpose Lubricant</p> <p>Everlast 1 is a biodegradable synthetic lubricant for use in valves carrying aliphatic hydrocarbon liquids and gasses including, kerosene, fuel oils, crude distillates; sweet or sour, water, condensate, dilute acids and caustics. It is waterproof and has excellent resistance to oxidation and high metal adhesion. Everlast 1 should be used as a hydrocarbon resistant ball and gate valve lubricant. Everlast 1 is approved by most major valve manufacturers.</p> <p>Applications For use in plug, gate and ball valves. Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service.</p> <p>Features</p> <ul style="list-style-type: none"> • Water resistant • Fully additive treated • 100% synthetic • High metal adhesion • Inhibited for H₂S <p>Physical Properties</p> <ul style="list-style-type: none"> • Consistency, Cone Penetration (D-217) 220-300 • Dropping Point, °F (D-566) None • Oil Separation, % wt. loss (D-1742) 5 max • Oxidation Stability (D-942) 10 max • Rust Preventative Test (D-1743) Pass • Temperature Range -40° to 400°F, -40° to 204°C • Color Brown • Type Oil Synthetic • Corrosive Inhibitor Imidazoline Derivative • EP Additive Diester Type <p>Product Code EV1</p>	<p>Everlast 1 Winter Grade Low Temp Multi-Purpose</p> <p>Everlast 1 Winter Grade is a low temp synthetic lubricant for use in valves carrying aliphatic hydrocarbon liquids and gasses including, kerosene, fuel oils, crude distillates sweet or sour, water, condensate, LPG systems, dilute acids and caustics. It is waterproof, and has excellent resistance to oxidation.</p> <p>Applications Designed for low torque valve operation in cold environments. For use in gate, plug and ball valves. Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service.</p> <p>Features</p> <ul style="list-style-type: none"> • Water resistant • Fully additive treated • High metal adhesion • Excellent corrosion resistance • Inhibited for H₂S <p>Physical Properties</p> <ul style="list-style-type: none"> • Consistency, Cone Penetration (D-217) 220 to 300 • Dropping Point, °F (D-566) None • Oil Separation, % wt. Loss (D-1742) 5 max. • Oxidation Stability (D-942) 10 max. • Rust Preventive Test (D-1743) pass • Temperature Range Winter Grade -40 to 620°F Arctic Grade -70 to 620°F • Color Brown • Type Oil Synthetic • Corrosion Inhibitor Imidazoline Derivative • EP Additive Diester type <p>Product Codes Arctic Grade - EV1AG Winter Grade - EV1WG</p>	<p>Everlast 3 High Temp / High Pressure</p> <p>Everlast 3 is a synthetic lubricant for high-temperature applications in hydrocarbon service. Everlast 3 is chemically resistant to aliphatic liquids and gasses including gasoline and kerosene, fuel and lubricating oils, natural gas and brine water. Everlast 3 is effective at temperatures to 500°F and is fortified with antirust, anti-wear, and corrosion inhibitors. The unique additive package in Everlast 3 bonds to metal surfaces reducing the damaging effects of corrosion and scale deposition on critical valve components.</p> <p>Applications For use in plug, gate and ball valves. Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • 100% synthetic • Water resistant • Fully additive treated • High metal adhesion • Inhibited for H₂S <p>Physical Properties</p> <ul style="list-style-type: none"> • Consistency, Cone Penetration (D-217) 220 to 300 • Dropping Point, °F (D-566) None • Oil Separation, % wt. Loss (D-1742) 5 max • Oxidation Stability (D-942) 10 max. • Rust Preventative Test (D-1743) Pass • Temperature Range -10° to 550°F • Color Tan • Type Oil Synthetic • Corrosive Inhibitor Imidazoline Derivative • EP Additive Diester Type <p>Product Code EV3</p>

Lubchem Valve Lube Sealants



Product Description	Product Description	Product Description
<p>Everlast 3 WG / AG Low Temp / High Pressure</p> <p>Everlast 3 is a premium lubricant for high-pressure applications in low temperature hydrocarbon service. Everlast 3 is available in both arctic & winter grades. It is resistant to aliphatic liquids and gasses including gasoline and kerosene, fuel and lubricating oils, natural gas and brine water. Everlast 3 AG is effective to temperatures to -70°F and is fortified with antirust, anti-wear, and corrosion inhibitors. The unique additive package in Everlast 3 bonds to metal surfaces reducing the damaging effects of corrosion and scale deposition on critical valve components.</p> <p>Applications Valves in Arctic Climates For use in plug, gate and ball valves Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • 100% synthetic • Water resistant • Fully additive treated • High metal adhesion • Inhibited for H₂S <p>Physical Properties</p> <ul style="list-style-type: none"> • Consistency, Cone Penetration (D-217) 220 to 300 • Dropping Point, F (D-566) None • Oil Separation, % wt. Loss (D-1742) 5 max. • Oxidation Stability (D-942) 10 max. • Rust Preventive Test (D-1743) Pass • Low Temperature Torque (D-1478) @ -75°F (-60°C) start 5200 gm-cm 10 minutes 3965 gm-cm 60 minutes 4225 gm-cm • Temperature Range Winter Grade -40 to 620°F • Arctic Grade -70° to 620°F • Color Gray <p>Product Code Arctic Grade - EV3AG Winter Grade - EV3WG</p>	<p>Everlast 4 Hydrocarbon Resistant</p> <p>Everlast 4 is a biodegradable synthetic lubricant formulated for high chemical and mechanical stability to general hydrocarbon service. The synthetic polymer oils used in Everlast 4 make this an excellent all purpose plug valve lubricant and sealant for the oilfield and petrochemical industries. Everlast 4 is a blend of synthetic oils for use in valves carrying, LPG, LNG, aliphatic hydrocarbon liquids and gasses including, kerosene, fuel oils, crude distillates; sweet or sour, water, condensate, dilute acids and caustics. It is waterproof and has excellent resistance to oxidation and high metal adhesion.</p> <p>Applications For use in plug, gate and ball valves Suitable for use in hydrocarbon liquids and gasses DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • 100% synthetic • Water resistant • Fully additive treated • High metal adhesion • Inhibited for H₂S <p>Physical Properties</p> <ul style="list-style-type: none"> • Consistency, Cone Penetration (D-217) 150 to 200 • Dropping Point, °F (D-566) None • Oil Separation, % wt. Loss (D-1742) 5 max. • Oxidation Stability (D-942) 10 max. • Rust Preventative Test (D-1743) Pass • Temperature Range -40° to 500°F • Color Brown • Type Oil Synthetic • Corrosive Inhibitor Imidazoline Derivative <p>Product Code EV4</p>	<p>Everlast 4B Gate Valve Lubricant Sealant</p> <p>EVERLAST 4B is a high performance synthetic valve Lubricant and sealant for gate valves. The advanced polymers and extreme pressure additives used in this product make it an excellent choice for use in high-pressure valves carrying natural gas, crude oil, condensate and ethylene. Everlast 4B contains unique solid lubricant additives that prevent metal to metal contact under extreme conditions of pressure and temperature.</p> <p>Performance Everlast 4B is a specialized lubricant for close tolerance valves and will provide outstanding lubricity and high adhesion to polished metal surfaces. This grease provides corrosion protection and is water-resistant.</p> <p>Physical Properties</p> <ul style="list-style-type: none"> • Color Black • Temperature Range -20 F to 450°F • Penetration, 25 Deg. C, WKD, 60 STR. 150 - 165 • Drop Point, Deg. C None • Oxidation Stability, (D-942), 10 max. <p>Product Code EV4B</p>

Lubchem Valve Lube Sealants



Product Description	Product Description	Product Description
<p>Everlast 116 Multi-Purpose Valve Lubri- cant</p> <p>Everlast 116 is a high performance multipurpose, synthetic valve lubricant and sealant for gate, ball, and plug valves. It is insoluble in water, hexane, propylene glycol. The advanced polymers used in this formulation make it an excellent choice for valves carrying natural gas, crude oil, condensate and ethylene. Everlast 116 is a specialized lubricant for close tolerance valves and will provide outstanding lubricity and high adhesion to polished metal surfaces. This grease provides corrosion protection against CO₂ and H₂S and is water-resistant.</p> <p>Applications For use in gate valves and ball valves Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • Fully additive treated • 100 % synthetic • High metal adhesion • Inhibited for H₂S and CO₂ <p>Physical Properties</p> <ul style="list-style-type: none"> • Color White • Freeze Point -50°C • Temperature Range -40 to 400°F • Penetration, 25°C, wkd, 60 strokes 230 to 240 • Drop Point, °C None • Oxidation Stability, (D-942) 10 max. • Specific Gravity @25°C 1.08 <p>Product Code 116</p>	<p>Everlast 117 EP Valve Lubricant</p> <p>Everlast 117 is an extreme pressure synthetic valve lubricant and sealant for gate, ball, and plug valves. Everlast 117 is designed for use in close tolerance valves and will provide outstanding lubricity and reduced operating torque. Extensive laboratory evaluation has shown Everlast 117 to reduce operating torque by up to 50%. The additive package in this product provides excellent antioxidant, extreme pressure and anti-wear properties and should be used where extreme pressures prevail.</p> <p>Applications For use in gate valves, plug and ball valves. Suitable for use in hydrocarbon gasses, water, CO₂ and H₂S DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • Fully additive treated • 100 % synthetic • High metal adhesion • Inhibited for H₂S and CO₂ <p>Physical Properties</p> <ul style="list-style-type: none"> • Color Yellow to Brown • Temperature Range -50 to 450°F • Penetration, 25°C, wkd, 60 strokes 170 to 180 • Drop Point, °C None • Oxidation Stability, (D-942) 10 max. • Specific Gravity @25°C .98 <p>Product Code 117</p>	<p>Everlast 118 High Temp Valve Lubricant</p> <p>Everlast 118 is a high temperature, synthetic valve lubricant and sealant for gate, ball, and plug valves. This product is thermally stable to 600°F. It is a hydrocarbon resistant lubricant for use in methane, ethylene, propane, crude oil and diesel. This grease provides corrosion protection against CO₂ and H₂S and is water-resistant.</p> <p>Applications For use in high temperature gate valves and ball valves Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • Fully additive treated • 100 % synthetic • High metal adhesion • Inhibited for H₂S and CO₂ <p>Physical Properties</p> <ul style="list-style-type: none"> • Color Dark Grey to Black • Temperature Range -40 to 600°F • Penetration, 25°C, wkd, 60 strokes 220 to 230 • Drop Point, °C None • Oxidation Stability, (D-942) 10 max. • Specific Gravity @25°C 1.02 <p>Product Code 118</p>

Lubchem Valve Lube Sealants



Product Description	Product Description	Product Description
<p>Everlast 146 Hydrocarbon Resistant</p> <p>Everlast 146 is a synthetic lubricant formulated for high chemical and mechanical stability to general hydrocarbon service. The synthetic polymer oils used in Everlast 146 make this an excellent all purpose gate valve lubricant and sealant for the oilfield. Everlast 146 is a blend of synthetic oils for use in valves carrying, LPG, LNG, aliphatic hydrocarbon liquids and gasses including, kerosene, fuel oils, crude distillates; sweet or sour, water, condensate, dilute acids and caustics. It is waterproof and has excellent resistance to oxidation and high metal adhesion.</p> <p>Applications For use in gate valves Suitable for use in hydrocarbon liquids and gasses DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • 100% synthetic • Water resistant • Fully additive treated • High metal adhesion • Inhibited for H₂S <p>Properties</p> <ul style="list-style-type: none"> • Consistency, Cone Penetration (D-217) 220 to 300 • Dropping Point, °F (D-566) None • Oil Separation, % wt. Loss (D-1742) 5 max. • Oxidation Stability (D-942) 10 max. • Rust Preventative Test (D-1743) Pass • Temperature Range -40 to 500°F • Color Brown • Type Oil Synthetic • Corrosive Inhibitor Imidazoline Derivative • EP Additive Diester Type <p>Product Code 146</p>	<p>Everlast 620 For High Pressure Plug Valves</p> <p>Everlast 620 is a high performance, synthetic valve Lubricant and sealant for ball, plug and gate valves. The advanced polymers and extreme pressure additives used in this product make it an excellent choice for use in high-pressure valves carrying natural gas, crude oil, condensate and ethylene. Everlast 620 contains unique solid lubricant additives that prevent metal to metal contact under extreme conditions of pressure and temperature. This product has been tested and found to prevent galling at pressures to 20,000 psi.</p> <p>Performance Everlast 620 is a specialized lubricant for close tolerance valves and will provide outstanding lubricity and high adhesion to polished metal surfaces. This grease provides corrosion protection and is water-resistant.</p> <p>Typical Properties</p> <ul style="list-style-type: none"> • Appearance White • Temperature Range -20 to 450°F • Penetration, 25 Deg. C, WKD, 60 STR. 150 - 165 • Drop Point, Deg. C None • Oxidation Stability (D942), 10 max. <p>Product Code 620</p>	<p>Everlast 1000 High Temperature Valve Lube</p> <p>Premium synthetic oils and inorganic thickeners make Everlast 1000 a high temperature, non-melting lubricant/sealant for valves in geothermal, petroleum refineries and natural gas plants. This high temperature lubricant/sealant is formulated for resistance to aliphatic hydrocarbons, including gasoline, kerosene, propane, butane, natural gas, steam, hot oil, dilute acids and caustic solutions. Everlast 1000 is an excellent moly/graphite type anti-seize compound and should be used to protect threaded connections from galling, and wear. Everlast 1000 converts to a dry film lubricant at elevated temperatures and will not harden.</p> <p>Features</p> <ul style="list-style-type: none"> • Non melting • Converts to a solid film lubricant • Contains molybdenum disulfide (moly) <p>Physical Properties</p> <ul style="list-style-type: none"> • Consistency, Cone Penetration (D-217) 200 to 230 • Dropping Point, °F (D-566) None • Oil Separation, % wt. Loss (D-1742) 5 max • Flash Point COC, °C (°F), 243 (470) • Fire Point COC, °C (°F) 307 (585) • Density, lb./gal 7.85 • Evaporation Loss 10 hours at 210°F (D-972) 0.10 • Temperature Range -20 to 1000°F <p>Product Code EVK</p>

Lubchem Valve Lube Sealants



Product Description	Product Description	Product Description
<p>Everlast WR Severe Corrosive Service</p> <p>Lubricant for use in valves carrying CO₂, H₂S, NGL, methanol, crude oil, produced waters, strong acids, natural gas, and fuels, where extreme temperature swings may occur. Everlast WR is highly chemical resistant, has a wide temperature range and is fortified with antirust, anti-wear, and corrosion inhibitors. The unique additive package in Everlast WR bonds to metal surfaces reducing wear and the damaging effects of corrosion due to organic acid attack.</p> <p>Applications For use in plug, gate and ball valves Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • 100% synthetic • Water resistant • Fully additive treated • High metal adhesion • Inhibited for H₂S and CO₂ <p>Physical Properties</p> <ul style="list-style-type: none"> • Color Black • Cone Penetration 250 to 270 • Dropping Point, 5 (ASTM D-566) None • Water Washout ASTM D-1264) 1hr @ 105°F - 0.1% • Rust Preventative Test (ASTM D-1743) Pass • Film Stability and Steel Corrosion, Mil-G-27617D 168 @ 212°F No resinous deposit or corrosion • Temperature Range -70 to 600°F • Type Oil Synthetic <p>Product Code EVWR</p>	<p>Everlast 50-300 Low Temperature H₂S /CO₂</p> <p>Everlast 50-300 is a synthetic valve lubricant/sealant formulated for use in highly corrosive, low temperature services. 50-300 should be used in plug valves and ball valves handling dry gasses including natural gas, manufactured gas and LP gasses, carbon dioxide, sour crude and gas, salt water, hydrocarbons, acids or caustic solutions. 50-300 is a tenacious film to metal surfaces and will protect valve parts from the corrosive effects of oil and gas production and processing. 50-300 is excellent body filler in gate valves where hydrocarbon resistance is important and corrosion protection is critical.</p> <p>Applications For use in plug, ball and gate valves in low temperature environments. Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service.</p> <p>Features</p> <ul style="list-style-type: none"> • Outstanding low temp performance • Water insoluble and washout resistant • Fully additive treated • 100 % synthetic • High metal adhesion • Excellent corrosion resistance <p>Physical Properties</p> <ul style="list-style-type: none"> • Consistency, Cone Penetration (D-217) 220 to 260 • Dropping Point, °F (D-566) None • Oil Separation, % wt. Loss, (D-1742) 5 max • Oxidation Stability, (D-942) 10 max • Rust Prevention, (D-1743) Pass • Temperature Range -50 to 300°F • Color Dark Gray • Corrosion Inhibitor Imidazoline Derivative • EP Additive Diester Type <p>Product Code 50300</p>	<p>Everlast 50-400 High Visc Plug Valve H₂S - CO₂</p> <p>50-400 is a high viscosity valve lubricant sealant that meets Mil-G-6032 "Grease Plug Valve, Gasoline & Oil Resistant". 50-400 is designed for use in plug valves as a lubricant sealant. 50-400 is resistant to organic acids, caustic solutions and is inhibited for use in H₂S and CO₂. This product has excellent dual resistance to water and aliphatic hydrocarbons such as gasoline, jet fuel, lubricating oils, organic condensates and mixtures of these products. 50-400 can be used in a wide variety of applications from the wellhead to product pipelines.</p> <p>Applications For use in plug valves Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service.</p> <p>Features</p> <ul style="list-style-type: none"> • Water insoluble and washout resistant • Fully additive treated • 100 % synthetic • High metal adhesion • Inhibited for H₂S and CO₂ <p>Physical Properties</p> <ul style="list-style-type: none"> • Consistency, Cone Penetration (D-217) 250 - 265 • Dropping Point, °F (D-566) None • Oil Separation, % wt. Loss (D-1742) 5 Max • Oxidation Stability, (D-942) 10 Max • Rust Preventive Test (D-1743) Pass • Temperature Range -15 to 400°F • Corrosive Inhibitor Imidazoline Derivative • EP Additive DiesterType <p>Product Code 50400HV</p>

Lubchem Valve Lube Sealants



Product Description	Product Description	Product Description
<p>Everlast 50-400 H₂S & CO₂ Ball & Gate Valve</p> <p>50-400 is a dual-purpose valve lubricant/sealant that meets Mil-G-6032 "Grease Plug Valve, Gasoline & Oil Resistant". 50-400 is designed for use in plug valves as a sealant and in ball and gate valves as a lubricant. 50-400 is resistant to organic acids, caustic solutions and is inhibited for use in H₂S and/or CO₂. This product has excellent dual resistance to water and petroleum products such as gasoline, jet fuel, lubricating oils and mixtures of these products. 50-400 can be used in a wide variety of applications from the wellhead to product pipelines.</p> <p>Applications For use in plug, ball and gate valves Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service.</p> <p>Features</p> <ul style="list-style-type: none"> • Water insoluble and washout resistant • Fully additive treated • 100 % synthetic • High metal adhesion • Excellent corrosion resistance • Inhibited for H₂S and CO₂ <p>Physical Properties</p> <ul style="list-style-type: none"> • Consistency, Cone Penetration (D-217) 250 - 300 • Dropping Point, °F (D-566) None • Oil Separation, % wt. Loss (D-1742) 5 Max • Oxidation Stability, (D-942) 2 @ 100 hours • Rust Preventive Test (D-1743) Pass • Temperature Range -40 to 400°F • Corrosive Inhibitor Imidazoline Derivative • EP Additive Diester Type <p>Product Code 50400</p>	<p>102 Special – Peanut Butter Type - Standard & Creamy</p> <p>Recommended for properly sealing WKM type gate valves handling water, gas and condensate, oil petroleum products such as gasoline, butane, hydrocarbon vapors, ammonia, glycerin, solvents and sour gas. 102 Special is available in creamy and standard grades.</p> <p>Physical Properties</p> <ul style="list-style-type: none"> • Appearance Light brown with a characteristic odor • Density 9.35 – 9.55 lb. / gal. • Oil Separation will not occur • Corrosion Inhibitor Imidazoline • EP Additive Diester type • Temperature Range -30 to + 250°F <p>Availability 102 Special is available in creamy and standard grades please specify your choice when ordering.</p> <p>Product Code Standard Grade - SVD Creamy Grade - SVC</p>	<p>196 Sealant - For McEvoy Valves Regular Grade</p> <p>196 Special should be used in both reservoirs in McEvoy gate valves to insure sealing, dependability and easy operation. Recommended for properly sealing valves that handle gas and condensate, oils, butane, gasoline, ammonia, glycerin and sour gas. Use Lubchem 196 Sealant for leak proof trouble free service in McEvoy, WKM and other gate valves. Recommended temperature range -30°F to + 250°F</p> <p>Physical Properties</p> <ul style="list-style-type: none"> • Appearance Tan with a characteristic odor • Density 9.35 – 9.55 lb. / gal. • Oil Separation Will not occur • Corrosion Inhibitor Imidazoline • EP Additive Diester type <p>Product Code M196</p>

Lubchem Valve Lube Sealants



Product Description	Product Description	Product Description
<p>Formasil WR - Valve Sealant</p> <p>For use in valves carrying hot air, steam, CO₂, H₂S, NGL, methanol, crude oil, produced waters, strong acids, natural gas, and fuels, where extreme temperature swings may occur. Formasil WR is highly chemical resistant, has a wide temperature range and is fortified with antirust, anti-wear, and corrosion inhibitors.</p> <p>Applications Valves in Arctic Climates For use in plug, gate and ball valves Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • 100% synthetic • Water resistant • High metal adhesion • Inhibited for H₂S • Temperature Range -55° to 450°F <p>Product Code FWR</p>	<p>Formasil RS - Valve Sealant</p> <p>Synthetic sealant for use in valves carrying natural gas, crude oil sweet or sour, and water. It is waterproof and has excellent resistance to oxidation and high metal adhesion. Formasil RS should be used as an emergency sealant in ball and gate valves or as a plug valve lubricant sealant.</p> <p>Applications For use in plug, gate and ball valves Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • 100% synthetic • Water resistant • High metal adhesion • Excellent corrosion resistance • Inhibited for H₂S • Temperature Range 0° to 400°F <p>Product Code FRS</p>	<p>Formasil HD - Valve Sealant</p> <p>Synthetic sealant for use in valves carrying natural gas, crude oil sweet or sour, water, condensate, dilute acids and caustics. It is waterproof and has excellent resistance to oxidation and high metal adhesion. Formasil HD should be used as a hydrocarbon resistant ball and gate valve sealant or as a plug valve lubricant/sealant.</p> <p>Applications For use in plug, gate and ball valves Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • 100% synthetic • Water resistant • High metal adhesion • Inhibited for H₂S • Temperature Range -40° to 400°F <p>Product Code FHD</p>
<p>Formasil RG - Valve Sealant</p> <p>Formasil RG is a general purpose synthetic sealant for use in valves carrying natural gas, crude oil sweet or sour, water, condensate, dilute acids and caustics. It is waterproof and has excellent resistance to oxidation and high metal adhesion. Formasil RG should be used as a hydrocarbon resistant ball and gate valve sealant or as a plug valve lubricant/sealant.</p> <p>Applications For use in plug, gate and ball valves Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • 100% synthetic • Water resistant • High metal adhesion • Inhibited for H₂S • Temperature Range -40° to 400°F <p>Product Code FRG</p>	<p>Formasil RS Winter Grade Sealant</p> <p>Formasil RS Arctic is a low temperature, synthetic sealant for use in valves carrying natural gas, crude oil sweet or sour, and water. It is waterproof and has excellent resistance to oxidation and high metal adhesion. Formasil RS Arctic should be used as an emergency sealant in ball and gate valves or as a plug valve lubricant/sealant.</p> <p>Applications For use in plug, gate and ball valves Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • 100% synthetic • Water resistant • Inhibited for H₂S • Temperature Range -40° to 400°F <p>Product Code ARS</p>	<p>Formasil H2O - Valve Sealant</p> <p>For high-pressure gate valve applications in hydrocarbon service. Formasil H₂O is chemically resistant to aliphatic liquids and gasses including gasoline and kerosene, fuel and lubricating oils, natural gas and brine water. Formasil H₂O is effective at temperatures to 400°F and is fortified with antirust, anti-wear, and corrosion inhibitors.</p> <p>Applications For use in plug, gate and ball valves Drilling choke manifolds High Pressure Gate Valves Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service</p> <p>Features</p> <ul style="list-style-type: none"> • 100% synthetic • Water resistant • Inhibited for H₂S • Excellent sealing capabilities • Temperature Range 0° to 400° F <p>Product Code FH2O</p>

Lubchem Valve Lube Sealants



Product Description	Product Description	Product Description
<p>Formasil CO2 - Winter Grade</p> <p>Synthetic valve sealants formulated for use in highly corrosive, low temperature services. This product should be used to seal leaking plug valves and ball valves handling carbon dioxide, sour crude and gas, salt water, hydrocarbons, acids or caustic solutions.</p> <p>Applications For use in plug, ball and gate valves in low temperature environments. Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service.</p> <p>Features</p> <ul style="list-style-type: none"> • Outstanding low temp performance • 100% synthetic • High metal adhesion • Excellent sealing capabilities • Inhibited for H₂S • Temperature Range -40° to 500°F <p>Product Code FSCW</p>	<p>TFE Seal Valve Stem Packing</p> <p>A pumpable packing and sealant containing high temperature proprietary fillers in a blend of synthetic oils. Recommended for use in high temperature hydrocarbon service, steam, and hot oil services. TFE Seal #1 contains fine to medium size filler particles. TFE Seal #2 contains medium to large filler particles.</p> <p>Principle Service</p> <ul style="list-style-type: none"> • High chemical and mechanical stability • Good lubricity • High temperature fillers • EP Additives • Oxidation and corrosion inhibitors <p>Application Pumpable with high pressure grease gun. Do not use in oxygen service. Temperature Range 0 to 250°F Color - Brown</p> <p>Product Codes 1900</p>	<p>Lunaseal 1 Valve Stem Packing</p> <p>Lunaseal is a unique pumpable packing and sealant compound containing millions of micron size fillers and graphite fibers. Lunaseal packing is formulated for hydrocarbon service in low temperature applications and is resistant to acid and caustic solutions, steam and most chemicals.</p> <p>Application Pumpable with high pressure (10,000 PSI) grease gun. Do not use in oxygen service. Temperature Range -65 + 500°F Color - Gray to Black</p> <p>Product Code 1300</p>
<p>Formasil CO2- Sealant</p> <p>Valve lubricant/sealant that meets Mil-G-6032 "Grease Plug Valve, Gasoline & Oil Resistant". Formasil CO2 is designed for use in gate valves as a lubricant/sealant and in ball and plug valves as a sealant. Formasil CO2 is resistant to acids, caustic solutions and is inhibited for use in H₂S and/or CO₂. This product has excellent dual resistance to water and petroleum products such as gasoline, jet fuel, lubricating oils and mixtures of these products. Formasil CO2 can be used in a wide variety of applications from the wellhead to pipelines.</p> <p>Features</p> <ul style="list-style-type: none"> • Water insoluble and washout resistant • 100% synthetic • Inhibited for H₂S and CO₂ • Temperature Range 15° to 400° F <p>Product Code FCO2</p>		

Lubchem Valve Lube Sealants



Product Description	Product Description	Product Description
<p>Valve Saver AW Valve Cleaner / lubricant</p> <p>Valve Saver AW is a combination valve cleaner and lubricant designed to lubricate and clean deposits common to valves in pipeline & production valves. Valve Saver AW can be used as a valve cleaner and as a lubricant. Valve Saver AW consists of a premium quality Anhydrous Calcium base grease, blended with a proprietary additive package that includes a dispersant / surfactant. This unique compound will lubricate the valves internal components and, at the same time, emulsify a variety of organic and organometallic compounds common to pipeline operations. When used regularly it will prevent additional build up of pipeline contaminants. The anhydrous calcium base grease provides good lubrication qualities over a wide temperature range of -65 to 250°F.</p> <p>Valve Saver AW is compatible with the following elastomers: Polytetrafluoroethylene, Teflon, Perfluoroelastomer, Kalrez, Chemraz, TFE-PVDF-Terpolymer rubber, Viton, Fluorel, Chlorinated Butyl Rubber & Butadiene Rubber, Butyl Rubber, Ethylene Propylene Rubber, Ethylene Propylene Diene Rubber, Vistalon, Nordel, Nitrile Rubber, Hycar, Buna-N, Natural Rubber, Butadiene Rubber, Isoprene Rubber, Epichlorohydrin copolymer rubber, Epichlorohydrin terpolymer rubber, Polysulfide rubber Chlorosulfonated Polyethylene rubber</p> <p>Features</p> <ul style="list-style-type: none"> • Compatible with all valve lubricants • Cuts gum and lacquer deposits • Penetrates rust and corrosion • Do not use in oxygen service • Temperature Range -40 to 400°F <p>Product Code VSAW</p>	<p>Valve Saver Valve Cleaner</p> <p>Valve Saver is a combination valve cleaner and penetrating lubricant engineered to free up and clean out difficult or impossible to operate lubricated valves. Lubchem's Valve Saver penetrates and cleans residual gum, lacquer, hardened sealants and lubricants. Valve Saver also penetrates and loosens rust and corrosion deposits extending the life and performance of all types of lubricated valves. When used regularly it will prevent additional build up.</p> <p>Features</p> <ul style="list-style-type: none"> • Compatible with all valve lubricants • Cuts residual gum and lacquer deposits • Removes rust and corrosion • Do not use in oxygen service • Temperature Range -40 to 400°F <p>Application Procedure Apply Lubchem Valve Saver with conventional lubricating equipment. Turn valve slowly and repeat the process until valve opens freely. After the valve is operable, lubricate with one of Lubchem's high quality valve lubricants.</p> <p>Product Code VSB</p>	<p>Lubchem V-Clean Liquid Valve Cleaner</p> <p>Lubchem V-Clean is a complex blend of surfactants, dispersants and wetting agents designed to thoroughly clean clogged sealant pathways in ball, plug and gate valves. V-Clean will lift deposits of oils, greases (hydrocarbon & synthetic), salts, asphaltines, paraffin, and other solid debris (including corrosion products) from the surface of the metal. V-Clean will displace water and hold the debris in suspension allowing it to be flushed from the system using a Lubchem V-Clean Flush Pump or other suitable pumping equipment.</p> <p>Application Guidelines V-Clean should be used as supplied, no dilution is necessary. V-Clean should be pumped into the valve at a rate sufficient to force the liquid into contact with the entire surfaces to be cleaned. The volume of V-Clean required per cleaning job varies depending upon valve condition and size. However, to estimate chemical requirements use approximately 1 quart of V-Clean per 4 inches of the diameter of the valve for plug valves / per seat for ball valves. For gate valves use a sufficient quantity to fill the valve body and flush the seats when possible. The reaction time for deposit removal varies by deposit, as a general rule allow the product about 15 minutes to dissolve the deposit, repeat the procedure until the desired performance is obtained.</p> <p>Typical Properties: Color/Odor Amber Liquid / Mild Flash Point, F >200 pH 12 Solubility: Water Soluble Oil Dispersible</p> <p>V-Clean is available in: Part Number Packaging VC21 6/1 gal. plastic bottles VC29 5 gal. pail w/ pour spout</p>

Lubchem Valve Lube Sealants



Product Description	Product Description	Product Description
<p>Anti-Seize 2200 Stem & Thread Compound</p> <p>Anti-Seize 2200 is a special blend of graphite and micro-size aluminum flake particles homogenized into a highly viscous carrier which volatilizes at high temperatures. It is non-melting and provides superior protection against galling, corrosion and heat freeze. Anti-Seize 2200 prevents metal to metal contact under severe variations of temperature, cyclic loading and pressure. It withstands higher temperatures than copper based compounds and will not drip or run. It will provide clean break-outs from high torque and is very economical to use.</p> <p>Features</p> <ul style="list-style-type: none"> • Temperature range -65 to 2200°F -54 to 1204°C <p>Anti-Seize 2200 is available in:</p> <p>Part No. Container 13111 24-8 oz. brush top cans 13117 12-16 oz. brush top cans 13123 10 lb. pail 13135 5 gal. / 40 lb. pail</p>	<p>MOLY-VAP Dry Moly Thread Compound</p> <p>Moly-Vap is a dry film lubricant containing Molybdenum Disulfide which will withstand broad temperature and pressure limits. Dry moly film has a low coefficient of friction and provides excellent lubricating properties without the attraction of dust and dirt where oils and greases would be unsuitable. The carrier solvent in this formulation dries quickly bonding the tenacious solid Moly-Vap coating to ferrous and nonferrous metals. Moly-Vap resists water, oils, alkali and most acids. It contains corrosion inhibitors and will prevent corrosion to parts during extended storage periods.</p> <p>Features</p> <p>Moly-Vap prevents friction, fretting, wear, sticking, galling, seizing, binding and chattering.</p> <p>Moly-Vap is available in these sizes:</p> <p>Part No. Container 15112 12 oz. aerosol / 12 per case 15119 4 - 1 gal. Cans per case 15145 5 gal. Can</p>	

Ordering Information



For additional information or assistance please contact your local Lubchem representative.

Lubchem valve lube sealants are available in industry standard stick and bulk packaging as follows:

102 Sealant & 196 Sealant - are available in bulk packaging only.

Everlast Products - are available in both stick and bulk packaging.

Formasil Products - are available in bulk packaging only.

Ordering Instructions

Product Selection & Part Number Identification:

Lubchem valve lube sealants are identified by individual product codes. The product code for each product is listed in this catalog at the bottom of the each product's description. When you have selected a product make note of the product code.

Lube Sealant Packaging Selection:

Now that you have selected a product, select the packaging option from the tables below and add the package code to the end of the product code. For example, Everlast 4 packaged in one 40 pound pail would be part number EV440.

Stick Lube Sealant Packaging Options

Package	Stick Size				Sticks per Box / Carton
	Diameter		Length		
Code	inches	mm	inches	mm	
A	1/4	6.35	1 1/2	38.1	48
B	3/8	9.53	1 1/2	38.1	24
C	7/16	11.11	2 1/8	53.98	24
D	1/2	12.7	2 5/8	66.68	24
G	5/8	15.88	3 1/2	88.9	24
J	1 3/8	34.93	8 1/2	215.9	16
K	1 1/2	38.1	10 1/2	266.7	12

Bulk Lube Sealant Packaging Options

Package Code	Container Size	Recommended Pump
C10	16 ea. 10oz. Cartridges	1000 Lube Pump
C14	10 ea. 14oz Cartridges	1200 or 1500 Lube Pump
10	10 lb. Pail	Force Flow 100 or 50
40	40 lb. Pail	FF100, 35-50 or 45-100
120	120 lb. Drum	C-1207786 Drum Pump
130	130 lb. Drum	C-1207786 Drum Pump
420	55 Gal. 420 lb. Drum	C-55-7786 Drum Pump
510	55 Gal. 510 lb. Drum	C-55-7786 Drum Pump



Product Description	Product Description	Product Description
<p>Longlife 1600 A Arctic Grade Lubricant</p> <p>Suitable for use as a low temp gate valve body filler or as a ball valve lubricant. Longlife 1600 is a low temperature multipurpose water insoluble grease that will provide low torque operation in very cold operating environments. It contains a proprietary anti-galling additive and corrosion inhibitor designed to protect seat rings, springs and sealing surfaces from the corrosive effects of oil and gas production and processing.</p> <p>Applications For use in ball and gate valves in low temperature environments. Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service.</p> <p>Features</p> <ul style="list-style-type: none"> • Outstanding low temp performance. • Water insoluble and washout resistant. • Fully additive treated. • Premium quality lithium 12-hydroxy stearate grease. • Superior protection to lubricate a wide variety of heavy-duty equipment. • Low Staining <p>Physical Properties</p> <ul style="list-style-type: none"> • NLGI No.2 • Thickener Anhydrous Calcium • Temperature Range -75° F to 350° F • Color/Texture Gray/Smooth Adhesive • Rust Prevention, D-1743, rating Pass • Worked 60 Penetration, D-217 265-295 • Dropping Point, D-566 °F 365 • Oil Separation, D-1742, % loss 5 • Timken OK Load, D-2509, lb 45 • Four-Ball Wear, D-2266, mm 0.56 • Four-Ball EP Weld Point, D-2596, kgf, 315 <p>Product Code BPA</p>	<p>Longlife 1600 Multi-Purpose Lubricant</p> <p>Premium 12-hydroxy stearate compounded with a premium additive system makes this an excellent multipurpose grease with a broad temperature range. This product is water insoluble, washout resistant and fully additive treated with corrosion inhibitors, extreme pressure additives and oxidation inhibitor additives. It is an excellent choice where water resistance and a light valve grease is recommended.</p> <p>Applications For use in Ball Valves & Gate Valves as a body filler. Protects seat rings and springs. Suitable for use in water and natural gas services. DO NOT use in oxygen service.</p> <p>Features</p> <ul style="list-style-type: none"> • Water insoluble and washout resistant. • Fully additive treated. • Premium quality lithium 12-hydroxy stearate multipurpose grease. • Superior protection to lubricate a wide variety of heavy-duty equipment. <p>Physical Properties</p> <ul style="list-style-type: none"> • NLGI No.2 • Temperature Range 5 to 350 °F • Color/Texture Tan/Smooth • Worked 60 Penetration, D-217 265-295 • Timken OK Load, D-2509, lb. 45 • Four-Ball Wear, D-2266, mm 0.40 • Four-Ball Weld Point, D-2596, kgf 250 <p>Product Code LL16</p>	<p>Longlife 1603 - Multi-Purpose Lubricant</p> <p>Longlife 1603 is an economical multipurpose grease especially suited for normal operating temperatures and other noncritical service applications. 1603 is an excellent corrosion inhibiting grease and recommended for applications requiring frequent re-greasing due to contaminating environments. This product is water insoluble, washout resistant and fully additive treated with corrosion inhibitors, extreme pressure additives and oxidation inhibitor additives. It is an excellent choice where an economical valve grease is recommended.</p> <p>Applications For use in Ball Valves & Gate Valves as a body filler Protects seat rings and springs Suitable for use in water and clean natural gas services DO NOT use in oxygen service.</p> <p>Features</p> <ul style="list-style-type: none"> • Water resistant • Fully additive treated • Multipurpose grease <p>Physical Properties</p> <ul style="list-style-type: none"> • NLGI No.2 • Temperature Range 0 to 265 °F • Color/Texture Dark Brown • Worked 60 Penetration, D-217 265-295 • Dropping Point, D-566 °F, (°C) 375 (191) • Texture Smooth, medium fiber <p>Product Code LL1603</p>



Product Description	Product Description	Product Description
<p>Longlife Moly LT Heavy Duty Moly Lubricant</p> <p>Longlife Moly LT - EP Grease is a fully additive-treated, multipurpose grease that is water insoluble and treated for extra protection. It contains anti-rust, anti-wear, extreme pressure, and antioxidant additives. It is a good quality molybdenum disulfide compounded low temperature grease, also treated with soluble chemical additives to prevent wear, especially under very highly loaded conditions. Use Longlife Moly LT in low temperature applications where medium to severe conditions prevail.</p> <p>Features Water insoluble and washout resistant Fully additive treated Excellent low temperature performance</p> <p>Physical Properties</p> <ul style="list-style-type: none"> • NLGI No.2 • Thickener Anhydrous Calcium • Texture Smooth, but slight fiber • Color, Observed Gray • Worked 60 Penetration, D-217 265-295 • Dropping Point, D-566, °F. (°C.) 285 (140) • Wheel Bearing Leakage, D-1263, rating Pass • Oil Separation, D-1742, % loss 5 • Timken OK Load, D-2509, lb. 45 • Rust Prevention, D-1743, rating Pass • Oxidation Stability, (D-942) psi drop 4.0 at 100 hr. • Approximate Temperature Range, -65°F to 280°F <p>Product Code LMLT</p>	<p>Longlife Moly Heavy Duty Moly Lubricant</p> <p>Longlife Moly - 3% Moly-Lithium. EP Grease is a fully additive-treated, multipurpose grease is water insoluble and is treated for extra protection. It contains anti-rust anti-wear, extreme pressure, and antioxidant additives. It is a good quality molybdenum disulfide compounded multipurpose grease, also treated with soluble chemical additives to prevent wear, especially under very highly loaded conditions. Use Longlife Moly in general purpose applications where medium to severe conditions prevail. Meets Caterpillar requirements for 3% molybdenum disulfide, lithium soap grease.</p> <p>Features Water insoluble. Fully additive treated. Meets Caterpillar requirements for 3% molybdenum disulfide, lithium soap grease.</p> <p>Physical Properties</p> <ul style="list-style-type: none"> • NLGI No.2 • Thickener Lithium Stearate • Texture Smooth, but slight fiber • Fillers 3% Molybdenum disulfide • Color, Observed Grey • Worked 60 Penetration, D-217 265-295 • Dropping Point, D-566, °F. (°C.) 340 (171) • Wheel Bearing Leakage, D-1263, Pass • Oil Separation, D-1742, % loss 3.8 • Rust Prevention, D-1743, rating Pass • Oxidation Stability, (D-942) psi drop 5.0 at 100 hr. • Temperature Range -5°F to 280°F <p>Product Code LLM</p>	<p>LZ-11 Silicone Lubricant</p> <p>LZ-11 is a highly purified silicone lubricant that resists deterioration by chlorides, solvents, acids, low-pressure steam, and condensate. LZ-11 is designed for use on plug valves, gate valves butterfly valves, swivel joints, mechanical seals and packing, and flexible ball joints exposed to harsh chemical environments. It is also an excellent lubricant for rubber and plastic o-rings, sealing vacuum and pressure systems.</p> <p>Applications For use in plug, gate and ball valves Suitable for use in hydrocarbon gasses. Mechanical seals and packing Flexible ball joints O-rings and seals</p> <p>Physical Properties</p> <ul style="list-style-type: none"> • Consistency, Cone Penetration (D-217) 220 to 300 • Dropping Point, F (D-566) None • Oil Separation, % wt. Loss (D-1742) 5 max. • Oxidation Stability (D-942) 10 max. • Rust Preventive Test (D-1743) rating Pass • Low Temperature Torque (D-1478) @ -75°F (-60°C) start 5200 gm-cm 10 minutes 3965 gm-cm 60 minutes 4225 gm-cm • Flash Point 610°F • Temperature Range -40° to 400°F • Color Clear White • Type Oil Silicone <p>Product Code LZ11</p>



Product Description	Product Description	Product Description
<p>Longlife SRL-50 Sucker Rod Lubricant</p> <p>Longlife SRL-50 is engineered to protect the threads of sucker rod connections under severe operating conditions of high cyclic loading. SRL-50 is a high temperature, lithium complex EP grease with excellent low temperature properties. SRL-50 is a unique blend of petroleum base oils and synthetic fluids providing excellent resistance to oxidation at elevated temperatures with exceptional performance under extreme low temperature conditions. SRL-50 contains EP/antiwear additives, rust and oxidation inhibitors that provide superior protection from thread galling in sucker rod connections.</p> <p>Application: Clean the connection prior to make up. Apply a thin coat of SRL-50 to the thread. CAUTION: Do not lubricate the pin shoulder face or the coupling shoulder face or a loss of tightness can occur resulting in a connection failure.</p> <p>Physical Properties:</p> <ul style="list-style-type: none"> • NLGI No.2 • Color/Texture Blue/Smooth • Unworked Penetration, D-217 265-295 • Worked 60 Penetration, D-217 265-295 • Oxidation Stability, (D-942) psi drop 2.5 @ 100 hr. • Oil Separation, D-1742, % loss 1.0 • Timken OK Load, D-2509, lb. 70 • Four-Ball Wear, D-2266, mm 0.45 • Four-Ball Weld Point, D-2596, kgf 315 • Dropping Point, (D-2265), °F, (°C) 550 (288) • Temperature Range, °F, (°C) -65°F to 356°F, (-54 to 180) <p>Product Code SRL50</p>	<p>Longlife 1200 Synthetic Hydrocarbon Grease</p> <p>Longlife 1200 is a multipurpose synthetic grease developed for high speed turbine engine bearings and conforms to Mil-G-81322E. It has excellent long life and antirust properties for service temperatures ranging from -80°F to 400°F. It can be operated to 600°F, depending upon speed and load, environmental factors, and relubrication frequency.</p> <p>Application: Longlife 1200 is highly recommended for use in a wide range of industrial equipment. Use on sheathed cables, O-rings, seals, gears, ball, roller, and plain spherical bearings. It is especially suitable for use in plastic and/or metal gearboxes where service temperature range and minimal evaporative losses are critical.</p> <p>Physical Properties:</p> <ul style="list-style-type: none"> • NLGI: No.2 • Color/Texture: Tan/Smooth • Unworked Penetration, D-1403: 270 • Worked 60 Penetration, D-1403: 285 • Worked Stability, FED-STD-791, Method 313 @ 100,000 strokes: 310 • Oxidation Stability, (D-942) psi drop: 100 hr. @ 212°F, -2.5 psi 500 hr. @ 212°F, -9.0 psi • Oil Separation, FED-STD-791, Method 321: 30 hr. @ 212°F, 0.80% 30 hr. @ 350°F, 3.50% • Dropping Point, (D-2265), °F, (°C) 550 (288) • Evaporation, D-2595: 22 hr. @ 210°F, 0.50% 22 hr. @ 350°F, 5.40% • Dirt Count, FED-STD-791, Method 3005: 10-75 microns, 65/cc over 75 microns, 0/cc • Rubber Swell, FED-STD-791, Method 3603, "L" stock 168 hrs. @ 158°F: 4.0% • Rust Preventive Properties D-1743, 48 hrs. @ 125°F: 1 	<p>Longlife 1200 (cont.)</p> <ul style="list-style-type: none"> • Load Wear Index, ASTM D-2596, @ 77°F: 48.0 Last Non-seizure, (Load / Wear Scar): 100kg/0.454 mm7 Last Seizure (Load / Wear Scar): 126kg/2.590 mm Weld Point (Load): 250 kg • Steel-on-Steel Wear, ASTM D-2266, (52100 steel), 1200 rpm, 40 kg, 2 hrs. @ 167°F: 0.7 mm 1200 RPM, 40 kg, 2 hrs. @ 350°F: 0.8 mm • Coefficient of Friction, 1200 RPM, 90°F, 15 kg load: 0.09 • Gear Wear, FED-STD-791, Method 335, 1000 cycles: 5 lb load, 0.68 mg 10 Lb load, 1.60 mg • High Temp. Performance, ASTM D-3336: 300° F, 10,000 rpm, 50 lb, 2,500 hrs + 350° F, 10,000 rpm, 50 lb, 525 hrs 350° F, 10,000 rpm, 5 lb, 1,000 hrs + 400° F, 10,000 rpm, 50 lb, 264 hrs • Low Temperature Torque, ASTM D-1478: @ -65oF, starting, 1,534 g-cm running, 649 g-cm • Corrosion on Copper: 24 hrs @ 212°F, 1a no stain <p>Product Code LL1200</p>

Lubchem Premium Lubricants



Product Description	Product Description	Product Description																				
<p>Longlife 1607 High-Temp Multi-Purpose</p> <p>Longlife 1607 is a multi-purpose synthetic grease combined with a dropping point of 550°F for application over a wide temperature range. Longlife 1607 grease exhibits a Timken OK Load in excess of 80 pounds and excellent Four-Ball Wear and EP performance. This product will provide superior protection to lubricate a wide variety of automotive, trucking, mining, construction and industrial equipment with excellent performance in severe applications and unequaled shock load protection.</p> <p>Application: Longlife 1607 is highly recommended for disk brake wheel bearings, fan hubs, backhoe hinge pins, oven conveyor bearings and other heavily loaded and/or high speed industrial application.</p> <p>Physical Properties:</p> <ul style="list-style-type: none"> • NLGI: No.2 • Color/Stringy: Red/Smooth • Worked 60 Penetration, (D-217): 265-295 • Oxidation Stability, (D-942) psi drop: 2 psi @ 100 hours • Oil Separation, (D-1742): % loss - less than 1 • Dropping Point, (D-2265), °F, (°C): 550 (288) • Rust Preventive Properties (D-1743): Pass • Copper Corrosion, (D-4048), rating: Pass • Timken OK Load, (D-2509): 80 lb. • Four-Ball Wear, (D-2266), mm: 0.45 • Four-Ball Weld Point, (D-2596), kgf: 315 • Four-Ball Load Wear Index, (D-2596) kgf 50 • Four-Ball Last Nonseizure, (D-2596) kgf 80 • Temperature Range, F (C) -10 to 325 (-23 to 163) <p>Product Code LL1607</p>	<p>Ordering Instructions Product Selection & Part Number Identification:</p> <p>Lubchem premium lubricants are identified by individual product codes. The “product code” for each product is listed in this catalog at the bottom of the each product’s description. When you have selected a product make note of the product code.</p> <p>Lubricant Packaging Selection:</p> <p>Now that you have selected a product, select the packaging option from the tables below and add the package code to the end of the product code. For example SRL-50 packaged in one 40 pound pail would be part number SRL5040.</p> <table border="1" data-bbox="576 934 998 1239"> <thead> <tr> <th colspan="2">Lubricant Packaging Options</th> </tr> <tr> <th>Package Code</th> <th>Container</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>12 ea. 14 oz. Aerosol Cans</td> </tr> <tr> <td>C10</td> <td>16 ea. 10oz. Cartridges</td> </tr> <tr> <td>C14</td> <td>10 ea. 14oz Cartridges</td> </tr> <tr> <td>10</td> <td>10 lb. Pail</td> </tr> <tr> <td>104</td> <td>4 ea. 10 lb. Pails</td> </tr> <tr> <td>40</td> <td>40 lb. Pail</td> </tr> <tr> <td>120</td> <td>120 lb. Drum</td> </tr> <tr> <td>420</td> <td>55 Gal. 420 lb. Drum</td> </tr> </tbody> </table>	Lubricant Packaging Options		Package Code	Container	A	12 ea. 14 oz. Aerosol Cans	C10	16 ea. 10oz. Cartridges	C14	10 ea. 14oz Cartridges	10	10 lb. Pail	104	4 ea. 10 lb. Pails	40	40 lb. Pail	120	120 lb. Drum	420	55 Gal. 420 lb. Drum	
Lubricant Packaging Options																						
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40	40 lb. Pail																					
120	120 lb. Drum																					
420	55 Gal. 420 lb. Drum																					

Valve Capacity Chart



For additional information or assistance please contact your local Lubchem representative.

The capacities listed in this chart are based upon the valve manufacturers recommendation for the quantity of sealant required per seat. For more information please consult the valve manufacturers maintenance manual or your local Lubchem representative.

Size	Cameron	Grove	Nordstrom	KF Series FA	KF Series T
1/2	-	-	1/2	-	-
3/4	-	-	1/2	-	-
1	-	-	1	-	-
1 1/2	-	-	1	-	1
2	2	-	3	1	1
3	2	-	4	1	2
4	3	-	5	1	2
6	4	3	9	2	2
8	5	3	11	4	7
10	6	4	14	5	10
12	9	4	17	7	18
14	10	4	32	-	21
16	11	5	40	-	34
18	18	5	56	-	-
20	20	8	72	-	-
22	22	10	80	-	-
24	23	10	88	-	-
26	26	12	96	-	-
28	27	13	-	-	-
30	30	14	112	-	-
32	-	14	-	-	-
34	33	15	-	-	-
36	42	16	-	-	-
38	-	16	-	-	-
40	65	18	-	-	-
42	67	18	-	-	-
48	102	22	-	-	-

Valve Lubrication Fitting Thread Gauge

1"

3/4"

1/2"

3/8"

1/4"

1/8"

Riser Extension Capacities

Inside Diameter	Ounce Per Foot
1/4"	0.5
3/8"	1.3
1/2"	2.0
3/4"	4.0

Lubchem Valve Lube Sealants



Product Description

Product Description

Product Description

Air Operated Lubrication Equipment



For additional information or assistance please contact your local Lubchem representative.

V-CLEAN “FLUSH PUMP” The only way to clean a valve!

The V-Clean flush pump is designed to provide the pressure and volume needed to properly flush the sealant and lubricant passages of any lubricated valve, regardless of size or operating pressure, and is available in the following configurations.



DELIVERY HOSE SOLD SEPERATELY

PART NO .	PRESSURE RATNG	DELIVERY (GPM)
VC 2K	2000 PSI	2
VC 3K	3000 PSI	1.25
VC 5K	5000 PSI	.69
VC 8K	8000 PSI	.4
VC 10K	10,000 PSI	.23
VC 20K	20,000 PSI	.11

Features

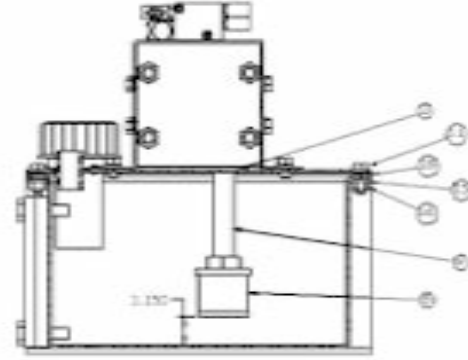
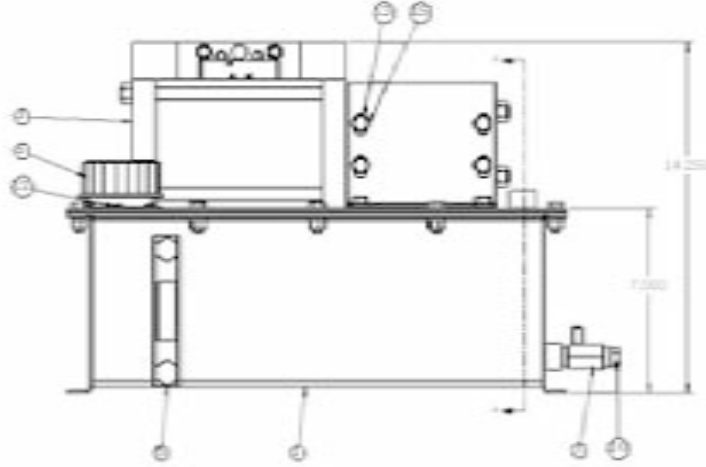
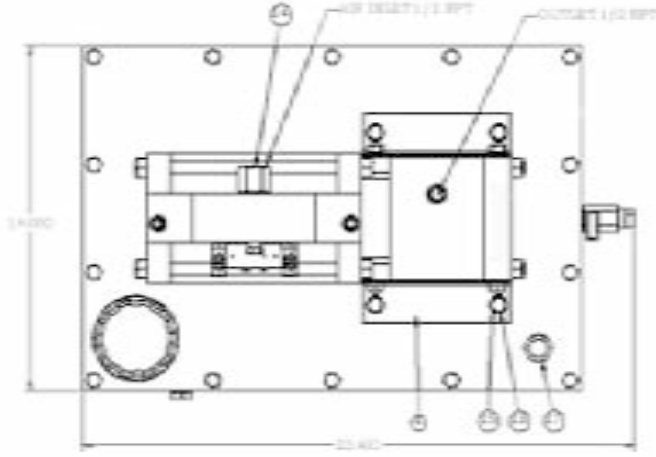
- Pumps in both directions with four acting check valves.
- Easily removable air valves.
- 2.5” stroke for longer pump life.
- Faster than hand operated flush pumps.
- Efficient yet simple design for hassle free maintenance
- Can not stall.
- Special coating to prevent oxidation of aluminum parts and galling of stainless parts.
- All wetted parts are 316SS



Air Operated Lubrication Equipment

For additional information or assistance please contact your local Lubchem representative.

V-CLEAN FLUSH PUMP



ITEM NO .	QTY.	PART NO .	DESCRIPTION	MATERIAL
1	1	YA 75874	TANK	316SS
2	1	YA 75872	PUM P GASKET	CORK
3	1	YA 75870	V-CLEAN PUM P ASSY.	AM UM NUM
4	2	YA 75873	PUM P BRACKET	316SS
5	1	M P10800	FILTER BREATHER	STEEL
6	1	M P10000	SIGHT LEVEL GUAGE	ALUM INUM
7	1	DN 54610	1/2" NPT BALL VALVE	BRASS
8	1	F008995	P3-1/2-30 SUCTION STRAINER	STEEL
9	1	F130691	S-STR-8M P X 4.5 ZINC NIPPLE	STEEL
10	1	F131675	S-PLU-S-8M P SQ HEAD	316SS
11	14	YH60994	375-16-UNC-X-1.00-HH-316	316SS
12	3	YH60871	10-24-UNC-X-25-HH-316	316SS
13	12	YH60992	375-16-UNC-X-5-HH-316	316SS
14	1	F133789	S-STR-8FP-6M S	316SS
15	26	YH68246	375-316-LK-W ASHER	316SS
16	14	YH67190	375-16-UNC-RG-316-NUT	316SS
17	1	F120015	D-STR-8FP-CO UPLER	316SS
18	1	YA 75875	TANK LID GASKET	CORK

Air Operated Lubrication Equipment



For additional information or assistance please contact your local Lubchem representative.

Lubchem Force Flow Lube Pumps

Lubchem Force Flow grease pumps are reliable, heavy duty air operated pumps. Each pump is equipped with 100:1 ratio air motor that is capable of 10,000 psi discharge pressures. Discharge pressure may be adjusted by regulating the inlet air pressure to the pump through the air inlet regulator.

Force Flow pumps are equipped with twin cylinders that provide continuous contact between the follower plate and the sealant providing a continuous prime to the pump. The positive pressure applied by the pressure priming system prevents pump cavitation and makes it possible to pump highly viscous sealants at low temperatures.

Force Flow 50 Features

- 100:1 Ratio Air Motor
- Twin Pneumatic Cylinders
- Bucket Blow Off
- Filter / Regulator
- Follower Plate
- 10 Ft. Discharge Hose
- Control Valve
- 15,000 psi gauge
- Giant Button Head Coupler
- Portability Kit
- Twin Pneumatic Cylinders
- Dimensions: 22x22x33 inches
- Approximate Wt: 50 lbs.
- For use with 5 qt. / 10 lb. pail.
- Delivery 1/4 ounce per stroke
- Maximum air inlet 100 psi

Force Flow 50



Force Flow 100



Force Flow 100 Features

- Total Force Flow weight = 100 lb.
- High volume delivery is 1/2 ounce per stroke.
- Five inch air motor, 100:1 ratio.
- For use with 40 lb. and 5 qt. cans.
- Moisture trap & air inlet regulator included.
- Durable light weight design.
- Air inlet gauge and discharge pressure gauge included.
- Permanently lubricated pneumatic rams.
- Pumps 5 lb. per minute of NLGI # 2 grease.
- Adjustable discharge pressure up to 10,000 psi.
- Maximum air inlet pressure 100 psi.
- 10' discharge hose included.

Air Operated Lubrication Equipment



For additional information or assistance please contact your local Lubchem representative.

Lubchem Bucket Pumps

The Lubchem Model 35-50 & 45-100 bucket pumps are economical air operated grease pumps designed to pump bulk lubricants. The units are set up for 5 gallon containers and are equipped with follower plate, 10' discharge hose, control valve, straight swivel, 15,000 psi liquid filled gauge and a giant button head coupler.

Model 35-50 Bucket Pump

- 50:1 Air Motor & Pump Tube
- Discharge Pressure 5,000 psi
- Follower Plate
- Bucket Cover & Handle Assy.
- 10' Discharge Hose ¼ ID
- Control Valve
- Gauge Tee
- 15k Gauge
- Whip Hose
- Straight Swivel
- Giant Button Head Coupler ¼ NPTF

Model 45-100 Bucket Pump

- 100:1 Air Motor & Pump Tube
- Discharge Pressure 10,000 psi
- Follower Plate
- Bucket Mount Cover & Handle Assembly
- 10' Discharge Hose
- Control Valve
- Gauge Tee
- 15k Gauge
- Whip Hose
- Straight Swivel
- Giant Button Head Coupler





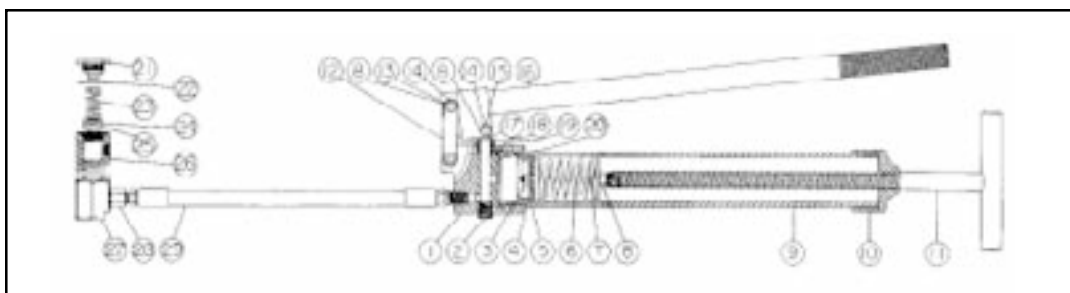
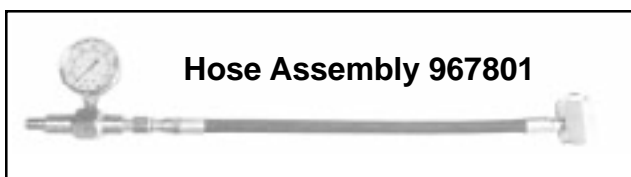
Valve Lubrication Equipment

For additional information or assistance please contact your local Lubchem representative.

Lubchem 1200 & 1500 Lube Pumps



The Lubchem 1200 & 1500 Hand Guns apply up to 10,000 psi and 15,000 psi respectively, of discharge pressure with a minimum amount of applied force by the user. The guns are set up for lubricating both ball valves and plug valves. The pumps are heavy duty, lever operated and are primed by tightening the “T” screw handle. Both pumps accepts industry standard K size lube sealant grease sticks. The outlet thread is 1/4 NPTF. Both pumps come equipped from Lubchem with hose assembly 967801 as seen below, additional hose assemblies and options are available on request. To order the model 1500 use part number 908601, for model 1200 use part number 901601.



Item	Description	Item	Description
1	Head	16	Plunger Handle
2	Pipe Plug	17	Plunger
3	Nut	18	Packing Nut
4	Primer Plug	19	Packing
5	Washer	20	Head Gasket
6	Primer Spring	21	Coupler Cap
7	Screw	22	Coupler Seal
8	Nut	23	Coupler Spring
9	Barrel	24	O-ring
10	Collar	25	Coupler Piston
11	Screw Handle	26	Coupler Body
12	Link	27	Coupler Assembly
13	Stud	28	Coupler Adapter
14	Lock Washer	29	Hose
15	Plunger Stud		

Caution:

The model 1200 gun is not equipped with an internal ball check in the head assembly and line pressure may bleed back into the barrel. Before removing the giant button head coupler, raise the plunger handle and turn the primer screw counter clockwise to relieve pressure.

The model 1500 comes equipped with an internal check and pressure release.



Valve Lubrication Equipment

For additional information or assistance please contact your local Lubchem representative.

Hose Assemblies



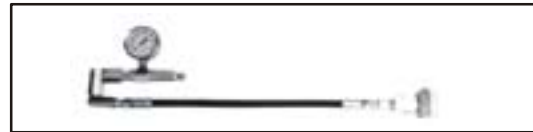
965701- 12 " overall length hose with giant button head coupler(907601) and swivel (984701). 1/4" NPT male inlet x giant button head coupler outlet.



905701- 12 " overall length hose with giant button head coupler(903601). 1/4" NPT male inlet x giant button head coupler outlet.



957701- Screw Connection Hose Assembly for lubricating vent cap fittings. 18" overall length hose with screw connection coupler. 1/4" NPT male inlet x 1-14" female outlet.



906601- 18 " overall length hose with giant button head coupler(905801) gage tee (944801)gage (937801), "Z" swivel (944701), swivel (914601), shut off relief valve (909901). 1/4" NPT male inlet x giant button head coupler outlet.



967801- 18 " overall length hose with giant button head coupler(905801) gage tee (973601), gage (937801), swivel (914601). 1/4" NPT male inlet x giant button head coupler outlet.



905601- 10" overall length swivel hose with giant button head coupler (903601), gage tee (973601), gage (937801) 1/4" NPT male inlet x 1-14" female outlet.

OTHER HOSE LENGTHS, END COMBINATIONS AND ASSEMBLIES ARE AVAILABLE

Hose Assembly Rating- Working Pressure 10,000 psi, Burst Pressure 23,000 psi. Warning: Hoses are for use with hand operated grease guns only. Inquire regarding additional warnings. Consult Rubber Manufacturers Association Handbook for proper operating procedure.

GAGES

The bottom connection is 1/4" NPT male.

937801- 15,000 psi
2 1/2" face

999501- 20,000 psi



OTHER GAGES ARE AVAILABLE

GAGE TEES

By using Lubchem gage tee, adapter is not required. 1/4" NPT male x 1/4" NPT female. (Special order tees available).



973601- 1 1/4" hex

944801- 7/8" hex

902601- 1 1/4" hex
(includes check valve)

SHUT OFF/RELIEF VALVE

909901- 1/4" NPT
male x 1/4"
NPTfemale.



OTHER SIZES AVAILABLE

SWIVELS

ADVANTAGES

Easy handling of operational grease gun is assured.

Hose damage is reduced.

Pressurized hoses will not twist.

944701- 1/4" NPT male x 1/2"-27 male

924601- 1/4" NPT male x 1/2"-27 male

914601- 1/4" NPT male x 1/2"-27 male

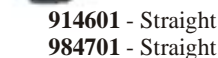
984701- 1/8" NPT male x 7/16"-27 male



944701 - "Z"



924601 - 90°



914601 - Straight

984701 - Straight



STRAP

Weight - 3 3/4 oz.

Lightweight and strong, includes shoulder pad, hooks, rings, link.

- Adjustable and extends to 46".

961601- For Screw Prime Gun

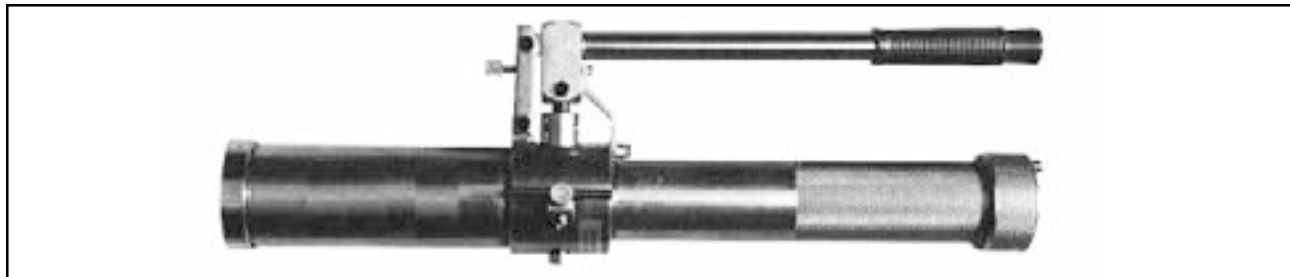
944601- For Hydraulic Grease Gun



Valve Lubrication Equipment

For additional information or assistance please contact your local Lubchem representative.

Lubchem Model 1000 Hydraulic Hand Pump



Lubricant Stick Size - J

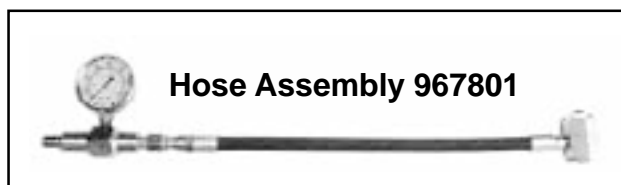
Grease Delivery - 1 ounce per 40 strokes

Sold With Hose Assembly - 967801

Pressure Rating - 10,000 psi

15,000 psi gauge included

Total weight - 13 lbs.



Description:

The Lubchem 1000 Hydraulic Hand Pump (part # 900011) exerts a maximum pressure of 10,000 psi. It is a durable self priming pump that is easy to operate. This unit is equipped with a bypass valve that allows the user to relieve internal pressure at any time by turning the bypass valve counter clockwise one revolution.

As an added safety feature the Lubchem model 1000 is equipped with an internal hydraulic relief valve. This feature provides maximum safety for the user by preventing over pressurization of the hydraulic system.

Features:

Handle Latch Assembly- Prevents damage due to over extension of the piston.

Graduated Handle - One ounce marked handle to eliminate waste and provide greater accuracy during injection.

Warning - Use only UCON-500 hydraulic fluid or equal in this pump.

Repair and Exchange:

Lubchem offers reconditioning and repair of all types of hydraulic hand guns. Simply send the gun to us and we will promptly fax an estimate for the repair charges at no charge to you. The guns are normally returned within one week of your approval for the repairs.

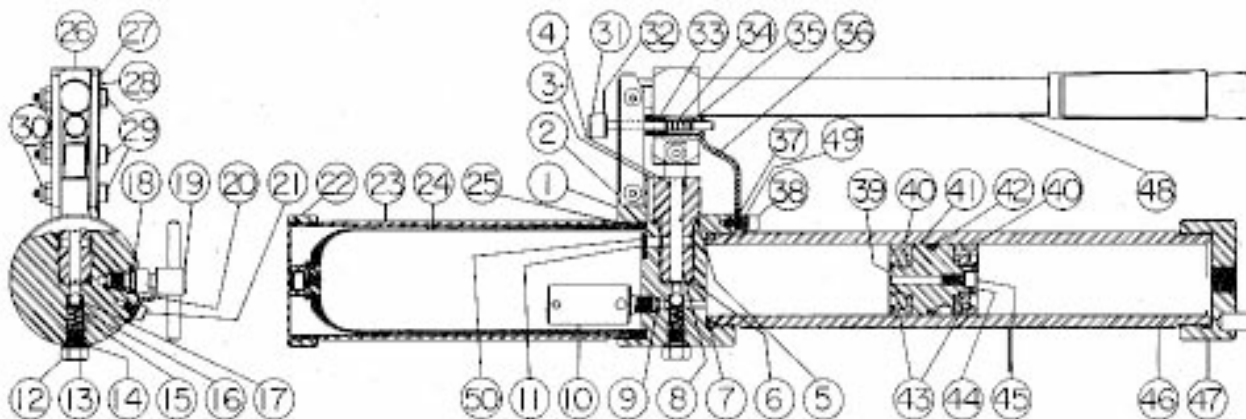
Replacement parts and repair kits are available upon request.



Valve Lubrication Equipment

For additional information or assistance please contact your local Lubchem representative.

Lubchem Model 1000 Hydraulic Hand Gun



Item	Part Number	Description	Item	Part Number	Description
1	908701	Body Assembly	27	918701	Link Assembly
2	928701	Body	28	977701	Link
3*	948701	Cylinder	29	979701	Stripper Bolt
4*	924801	O - Ring	30	987701	Lock Nut
5*	988701	O - Ring	31	903801	Latch Assembly
6*	962601	O - Ring	32	953801	Stem & Knob Assembly
7*	911801	O - Ring	33	933801	Latch Screw
8*	958701	Plunger	34	973801	Internal Latch Spring
9*	970801	O - Ring	35	993801	Retainer Ring
10*	950801	Internal Relief Valve	36	913801	Latch Arm
11*	956801	Filter Assembly	37	923801	Latch Sleeve
12	909701	Check Valve Assembly	38	983801	Cap Screw
13	998701	Check Valve Screw	39	901801	Piston Assembly
14	919701	Washer	40*	912801	Leather Cup
15	939701	Filter Screen	41	951801	Piston
16	929701	Spring	42*	981801	O - Ring
17	918601	Ball	43	991801	Washer Nut
18*	984001	O - Ring	44*	971801	Washer
19	959701	By-pass Valve	45	961801	Cap Screw
20	979701	Stem Retainer	46	921801	Grease Barrel
21	989701	Cap Screw	47	931801	Grease Barrel Cap
22	932801	Fluid Bag Barrel Cap	48	967701	Handle
23	922801	Fluid Bag Barrel	49	934801	Latch Spring External
24	902801	Fluid Bag Bleeder Assembly	50	980801	Filter Screen
25	982801	Fluid Bag Seal Ring	*	904801	Repair Kit
26	927701	Fulcrum Assembly			

For additional information pertaining to trouble shooting and repair procedures please refer to the Lubchem Model 1000 Maintenance & Repair manual.

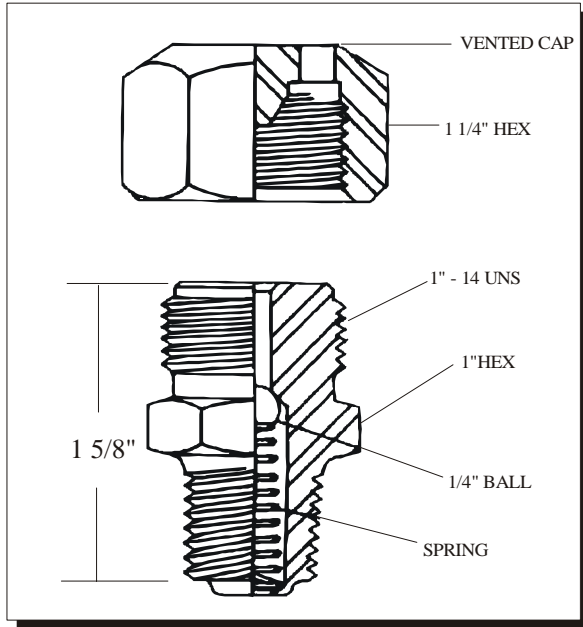
Valve Lubrication Fittings



For additional information or assistance please contact your local Lubchem representative.

VENTED CAP BODY GREASE FITTING

For Service to 10,000 psi

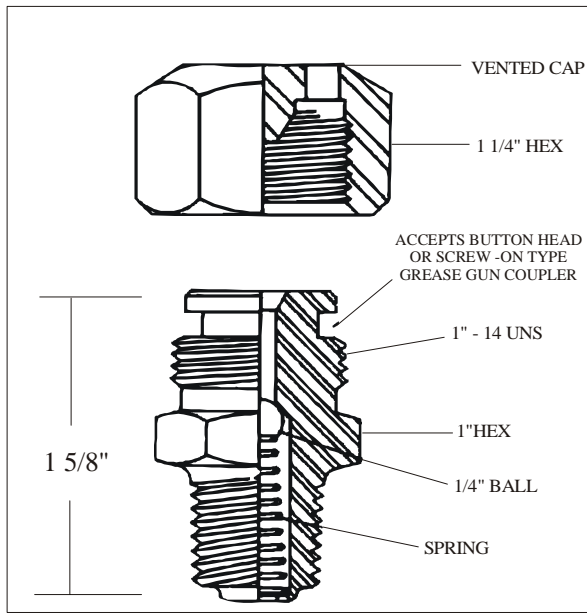


Thread Size	Material	Heat Treatment	Plating	Ball	Spring	Part Number
1" NPT	1215	—	Zinc W/DC	CA	302SS	BGF1
1" NPT	316SS	Annealed (NACE)	—	K-Monel	Inconel 600	BGF1-2
3/4" NPT	1215	—	Zinc W/DC	CA	302SS	BGF34
1/2" NPT	1215	—	Zinc W/DC	CA	302SS	BGF12
1/2" NPT	316SS	Annealed (NACE)	—	K-Monel	Inconel 600	BGF12-2
1/2" NPT	4140	Rc22 max. (NACE)	Zinc W/DC	K-Monel	Inconel 600	BGF12-3
1/2" NPT	410SS	Rc22 max. (NACE)	—	K-Monel	Inconel 600	BGF12-4
3/8" NPT	1215	—	Zinc W/DC	CA	302SS	BGF38
3/8" NPT	316SS	Annealed (NACE)	—	K-Monel	Inconel 600	BGF38-2
3/8" NPT	4140	Rc22 max. (NACE)	Zinc W/DC	K-Monel	Inconel 600	BGF38-3
1/4" NPT	1215	—	Zinc W/DC	CA	302SS	BGF14
1/4" NPT	316SS	Annealed (NACE)	—	K-Monel	Inconel 600	BGF14-2
1/4" NPT	4140	Rc22 max. (NACE)	Zinc W/DC	K-Monel	Inconel 600	BGF12-3
1/4" NPT	410SS	Rc22 max. (NACE)	—	K-Monel	Inconel 600	BGF14-4

* Zinc w/DC - Zinc with dichromate *CA - AISI 52100 chrome alloy
Other materials & plating available upon request

VENTED CAP BODY GREASE FITTING w/ GIANT BUTTON HEAD

For Service to 10,000 psi



Thread Size	Material	Heat Treatment	Plating	Ball	Spring	Part Number
1" NPT	1215	—	Zinc W/DC	CA	302SS	BGF1-BH
1" NPT	316SS	Annealed (NACE)	—	K-Monel	Inconel 600	BGF1-BH-2
3/4" NPT	1215	—	Zinc W/DC	CA	302SS	BGF34-BH
1/2" NPT	1215	—	Zinc W/DC	CA	302SS	BGF12-BH
1/2" NPT	316SS	Annealed (NACE)	—	K-Monel	Inconel 600	BGF12-BH-2
1/2" NPT	4140	Rc22 max. (NACE)	Zinc W/DC	K-Monel	Inconel 600	BGF12-BH-3
1/2" NPT	410SS	Rc22 max. (NACE)	—	K-Monel	Inconel 600	BGF12-BH4
3/8" NPT	1215	—	Zinc W/DC	CA	302SS	BGF38-BH
3/8" NPT	316SS	Annealed (NACE)	—	K-Monel	Inconel 600	BGF38-BH-2
3/8" NPT	4140	Rc22 max. (NACE)	Zinc W/DC	K-Monel	Inconel 600	BGF38-BH-3
1/4" NPT	1215	—	Zinc W/DC	CA	302SS	BGF14-BH
1/4" NPT	316SS	Annealed (NACE)	—	K-Monel	Inconel 600	BGF14-BH-2
1/4" NPT	4140	Rc22 max. (NACE)	Zinc W/DC	K-Monel	Inconel 600	BGF12-BH-3
1/4" NPT	410SS	Rc22 max. (NACE)	—	K-Monel	Inconel 600	BGF14-BH-4

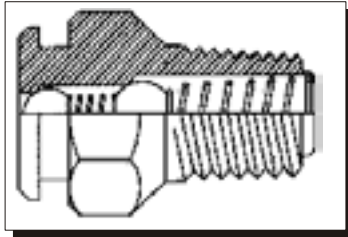
* Zinc w/DC - Zinc with dichromate *CA - AISI 52100 chrome alloy
Other materials & plating available upon request

Valve Lubrication Fittings



For additional information or assistance please contact your local Lubchem representative.

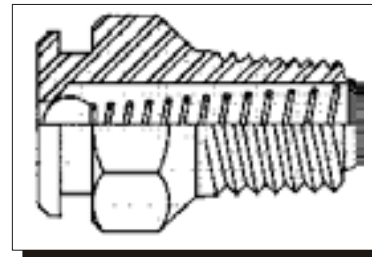
GIANT BUTTON FITTINGS (GBH) For Service to 10,000 psi



Double Ball Check

Thread Size	Material	Ball	Spring	Hex Size	Part Number
1" NPT	1215	CA	302SS	1 5/16"	GBH1
3/4" NPT	1215	CA	302SS	1 1/8"	GBH34
1/2" NPT	1215	CA	302SS	7/8"	GBH12
1/2" NPT	316SS	K-Monel	Inconel 600	7/8"	GBH12-2
3/8" NPT	1215	CA	302SS	7/8"	GBH38
3/8" NPT	316SS	K-Monel	Inconel 600	7/8"	GBH38-2
1/4" NPT	1215	CA	302SS	7/8"	GBH14
1/4" NPT	316SS	K-Monel	Inconel 600	7/8"	GBH14-2
1/2" NPT	1215	CA	302SS	7/8"	GBH12-20

*CA - AISI 52100 chrome alloy
Other materials & plating available upon request

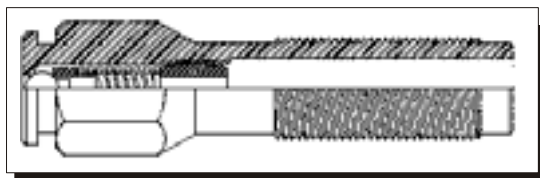


Single Ball Check

Thread Size	Material	Ball	Spring	Hex Size	Part Number
1/2" NPT	1215	CA	302SS	7/8"	GBH12-S
3/8" NPT	1215	CA	302SS	7/8"	GBH38-S
1/4" NPT	1215	CA	302SS	7/8"	GBH14-S
1/8" NPT	1215	CA	302SS	7/8"	GBH18-S
3/8" NPT	1215	CA	302SS	7/8"	GBH38-16

*CA - AISI 52100 chrome alloy
Other materials & plating available upon request

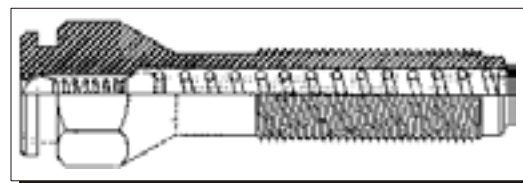
COMBINATION LUBE/INJECTOR (GHB) For Service to 10,000 psi



SINGLE BALL CHECK

Thread Size	Material	Ball	Spring	Hex Size	Part Number
1/2" NPSM	1215	CA	302SS	3 3/4"	CLF12-S
3/8" NPSM	1215	CA	302SS	3 7/16"	CLF38-S
1/4" NPSM	1215	CA	302SS	2 7/16"	CLF14-S
3/4" NC	1215	CA	302SS	3 1/8"	CLF34-10-S
3/4" NF	1215	CA	302SS	3 1/8"	CLF34-16-S
5/8" NC	1215	CA	302SS	2 7/8"	CLF58-11-S
1/2" NC	1215	CA	302SS	2 3/16"	CLF12-13-S

*CA - AISI 52100 chrome alloy
Other materials & plating available upon request



DOUBLE BALL CHECK

Thread Size	Material	Ball	Spring	Hex Size	Part Number
3/4" NPSM	1215	CA	302SS	4 3/4"	CLF34
1/2" NPSM	1215	CA	302SS	3 3/4"	CLF12
3/8" NPSM	1215	CA	302SS	3 7/16"	CLF38
1/4" NPSM	1215	CA	302SS	2 7/16"	CLF14

*CA - AISI 52100 chrome alloy
Other materials & plating available upon request

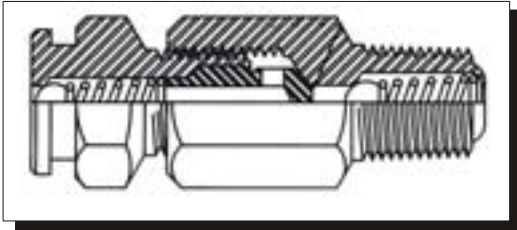
Valve Lubrication Fittings



For additional information or assistance please contact your local Lubchem representative.

SAFE SEAL (Giant Button Head)

Double Check - 2 Piece Metal To Metal Seal with Floating Cone to Prevent Seat Galling
For Service to 10,000 psi



Thread Size	Material	Plating	Ball	Spring	Part Number
1/2" NPT	1215	Zinc W/DC	CA	302SS	LS10N410
1/2" NPT	316SS	—	K-Monel	Inconel 600	LS10N4C0
3/8" NPT	1215	Zinc W/DC	CA	302SS	LS10N310
3/8" NPT	316SS	—	K-Monel	Inconel 600	LS10N3C0
1/4" NPT	1215	Zinc W/DC	CA	302SS	LS10N210
1/4" NPT	316SS	—	K-Monel	Inconel 600	LS10N2C0

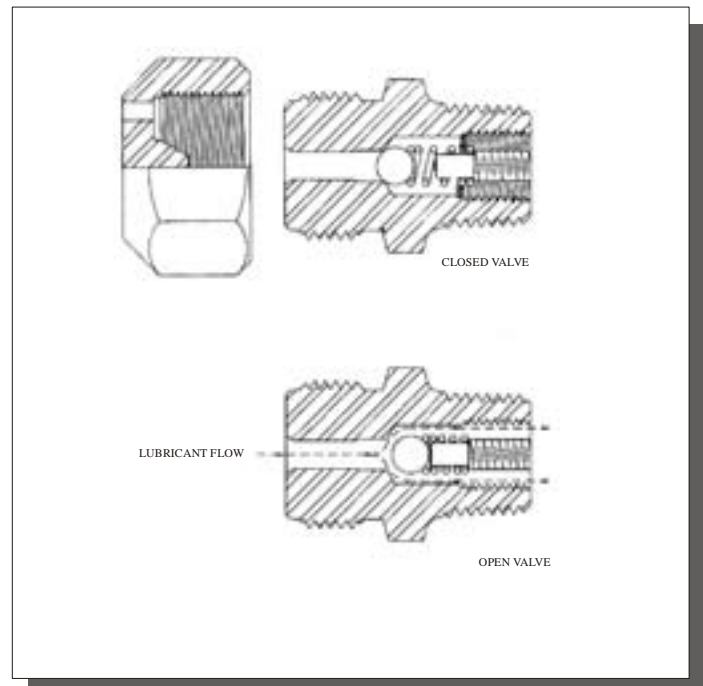
*316SS Material-Annealed Re 22 max. (Nace)
*CA-Aisi 52100 chrome alloy *Zinc with dichromate
Other configuration, materials & plating available upon request.

Even the heaviest of lubricants that can be pumped or sealants that can be compressed (extruded) through a packing fitting, will flow freely through fittings incorporated with the "FREE FLOW" concept.

Other Features

- Can Be Used With a Ball Soft Seat
- Increased Fitting Function in Extreme Cold Enviroments.
- Protects Spring From Damage - Permits a more effective usage of Low Hardness Corrosion Resistant Spring Wire Materials.

"FREE FLOW" BODY GREASE FITTING





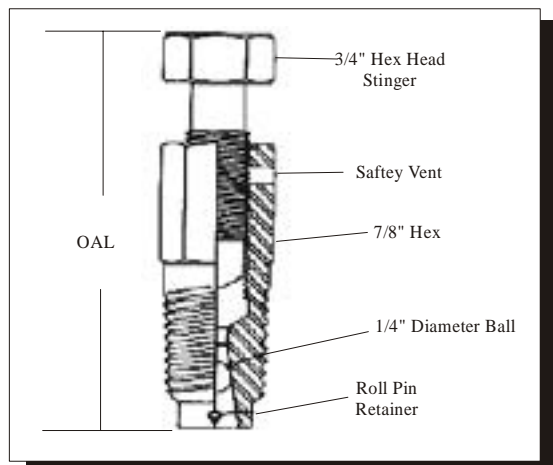
Valve Lubrication Fittings

For additional information or assistance please contact your local Lubchem representative.

PACKING INJECTION FITTING

(Bonnett or Plastic Injection Fitting)

FOR SERVICE TO 10,000 psi

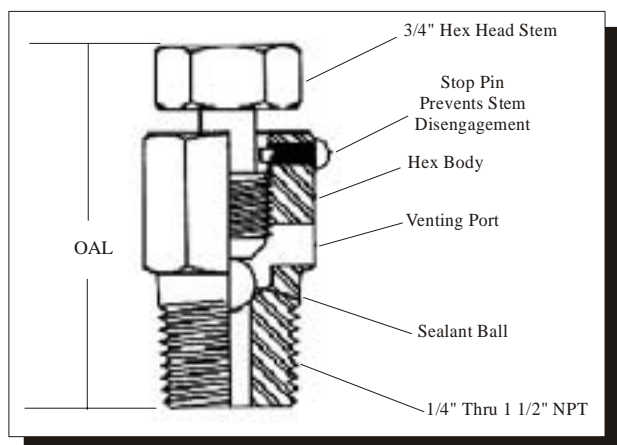


Thread Size	Material	Heat Treatment	Plating	Ball	Part Number
1/2" NPT	1215	—	Zinc W/DC	302SS	PIF12
1/2" NPT	316SS	Annealed (NACE)	—	K-Monel	PIF12-2
1/2" NPT	4140	Rc 22 max. (NACE)	Zinc W/DC	302SS	PIF12-3
3/8" NPT	1215	—	Zinc W/DC	302SS	PIF38
3/8" NPT	316SS	Annealed (NACE)	—	K-Monel	PIF38-2
3/8" NPT	4140	Rc 22 max. (NACE)	Zinc W/DC	302SS	PIF38-3
1/4" NPT	1215	—	Zinc W/DC	302SS	PIF14
1/4" NPT	316SS	Annealed (NACE)	—	K-Monel	PIF14-2
1/4" NPT	4140	Rc 22 max. (NACE)	Zinc W/DC	302SS	PIF14-3
3/4-10 TPI	1215	—	Zinc W/DC	302SS	PIF34-10
5/8-11TPI	1215	—	Zinc W/DC	302SS	PIF58-11

*Zinc w/DC - Zinc with Dichromate *CA - AISI 52100 chrome alloy
Other configurations, materials & plating available upon request

BODY VENT (BLEEDER) FITTINGS

FOR SERVICE TO 10,000 psi



Thread Size	Material	Hex Size	OAL	Heat Treatment	Plating	Ball	Part Number
1 1/2" NPT	1215	2"	2 5/8"	—	Zinc W/DC	440SS	BV112
1 1/4" NPT	1215	1 3/4"	2 1/2"	—	Zinc W/DC	440SS	BV114
1" NPT	1215	1 5/16"	2 7/16"	—	Zinc W/DC	440SS	BV1
1" NPT	316SS	1 5/16"	2 7/16"	Annealed (NACE)	—	TC	BV1-2
3/4" NPT	1215	1 1/8"	1 3/4"	—	Zinc W/DC	440SS	BV34
1/2" NPT	1215	7/8"	1 5/8"	—	Zinc W/DC	440SS	BV12
1/2" NPT	316SS	7/8"	1 5/8"	Annealed (NACE)	—	TC	BV12-2
1/2" NPT	4140	7/8"	1 5/8"	Rc 22 max. (NACE)	Zinc W/DC	440SS	BV12-3
3/8" NPT	1215	7/8"	1 5/8"	—	Zinc W/DC	440SS	BV38
3/8" NPT	316SS	7/8"	1 5/8"	Annealed (NACE)	—	TC	BV38-2
1/4" NPT	1215	7/8"	1 5/8"	—	Zinc W/DC	440SS	BV14
1/4" NPT	316SS	7/8"	1 5/8"	Annealed (NACE)	—	TC	BV14-2

*Zinc w/DC - Zinc with Dichromate *CA - AISI 52100 chrome alloy
Other configurations, materials & plating available upon request

For additional information or assistance please contact your local Lubchem representative.

Lubchem Valve Lube Adapter Kit

Part # VAK10

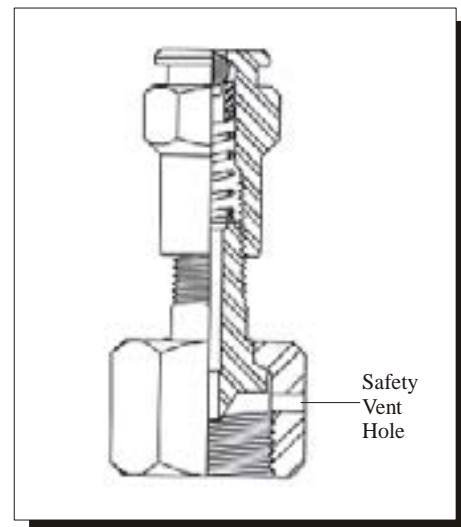
When was the last time you traveled a great distance to service a valve only to find that the fitting on the valve was not a standard type? The Lubchem Valve Adapter Kit contains 12 adapter fittings that will provide the flexibility you need to service a wide variety of standard and non-standard valve fittings. The kit also includes fittings to contain leaks on damaged fittings.

The following parts are included in our kit.

Combination Lube adapters included are:

- Convert short WKM style screw on vent cap fittings 3/4" to standard giant button head.
- Convert regular WKM style screw on vent cap fitting 1" to standard giant button head.
- Convert McEvoy and 7/8" style screw on vent cap fittings to standard giant button head.
- Convert small Cameron 3/4" style screw on vent cap fitting to standard giant button head.
- Convert packing injector fitting to standard giant button head.

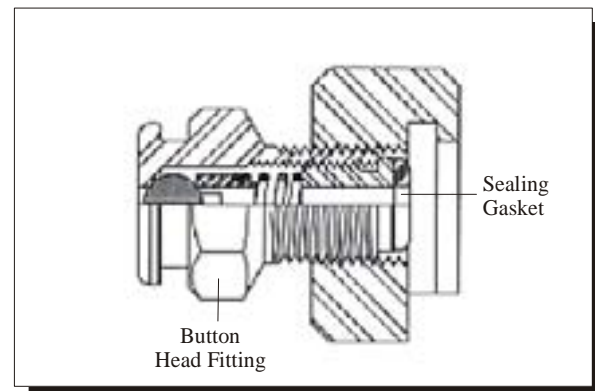
Combination Lube Adapter



Leak Lock Fittings:

- Giant Button Head Leak Lock fitting for leaking or damaged standard button head.
- Giant Button Head Fitting for leaking or damaged standard button head.
- Giant Button Head Leak Lock fitting for damaged or leaking oversized giant button head fittings.
- Standard Giant Button Head fitting with adapter to convert Cameron 3/4" vent cap fitting to standard giant button head.

Standard Leak Lock Fitting



Valve Lubrication Fittings



For additional information or assistance please contact your local Lubchem representative.

Lubchem Valve Lube Adapter Kit

Part # VAK10

Pressure Relief Tool

Pressure Relief Tools:

- Pressure relief tool for packing injector fittings.
- Pressure relief tool for WKM style vent cap fitting
- Body vent bleeder fitting.



Pressure Relief Tool for Packing Injection Fittings

