

CLIMAX LUBRICANTS

Climax Lubricants & Equipment Company is a Plug, Ball & Gate Valve Lubricant/Sealant manufacturer. Climax has been manufacturing Valve Lubricants/Sealants, Valve Stem Packings and Valve Lubrication Equipment for Northern America and foreign countries for over 60 years.

Climax Lubricants are made of the finest materials obtainable. They are constructed to act as a Hydraulic medium (to lift tapered plugs), seal against leakage and lubricate, in order to make the valve operate at its lowest torque. You will notice we use a color code system in our lubricants: black, amber, green, red, etc., so there will be no confusion over which lubricant to use for a particular service.

Climax Stick Lubricants are identified by letters: "A", "B", "C", "D", "G", "H", "J", and "K", denoting size and a number indicating the formula. Sticks are packaged in boxes of "A"-96, "B"-72, "C"-32, "D"-28, "G"-13, "H"-24 sticks to a box. The "J" stick is 16 and the "K" stick is 12 per carton. The "J"-size stick is designed to fit the Climax Model 1699 Hydraulic plug valve lubricating gun and the "K" size stick is designed to fit the Climax 10516 & Roket 280 grease guns.

Bulk Lubricant in 5-quart (4.7 liter) and 5 or 6-gallon (22.68 liter) cans are for use in the Model 10 and Model 40 bucket type air guns. Also available in bulk of larger quantities we offer 120 lb. (16-Gallon) and 400 lb. (55-Gallon) drums of lubricant.

HOW TO ORDER Orders for Climax Lubricants should always include a complete specification so that the exact lubricant can be supplied.

The following information is essential:

When ordering stick lubricant or stem packing:

- I Give lubricant number and stick size
- I Stem packing is not to be used as a lubricant

When ordering bulk lubricant:

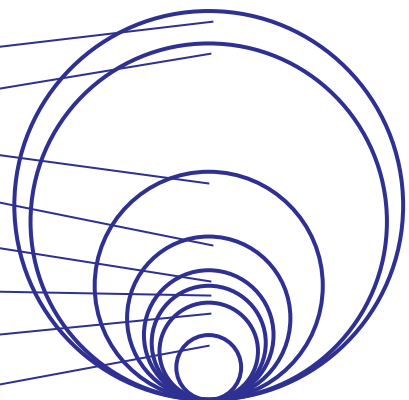
- I Give lubricant number and can or drum size.
- I Regular consistency will be supplied unless winter grade/special formula is specified.

PACKAGED

- 12 - "K" Size Sticks per Carton
- 16 - "J" Size Sticks per Carton
- 6 Cartons per Case
- 5 Qt. (10 Lb.) Containers for Air Equipment
- 4 - 5 Qt. Containers per Case
- 35 - 40 - 50 lb. Drums (5 or 6 Gallon)
- 120 - 150 lb. Drums (16 Gallon)
- 400 lb. Drums (55 Gallon)

SIZE

- K** 1 1/2" x 12"
- J** 1 3/8" x 8 3/4"
- H** 7/8" x 4 1/2"
- G** 5/8" x 3 1/2"
- D** 1/2" x 2 5/8"
- C** 7/16" x 2 1/8"
- B** 3/8" x 1 1/2"
- A** 1/4" x 1"



SMALL STICKS
For Screw Type Lubricators

CLIMAX VALVE LUBRICANTS/SEALANTS

Lubricant/ Sealant Number	Grades Available	Color	Temp. Range From To	Principal Services	Unsuitable For
S-100	Bulk	Silver	0° to 400° F	To lubricate & protect the threads & stems of gate valves. Also use to lubricate the bearings.	Hydrocarbon Fluid contact
102	Bulk Poly-Pac	Peanut Butter	0° to 300° F	WKM/API type gate valves Oil & gas production	Alkalies
103	Bulk Poly-Pac	Pink	0° to 400° F	Same as 102; Contains PTFE for added sealing capability	Alkalies
104	Stick Poly-Pac	Blue	0° to 500° F	PTFE Impregnated sealant for badly scored ball or plug valves	Alkalies
108	Bulk Poly-Pac	Black	0° to 600° F	Same as 102; Higher temperature application	Alkalies
110	Bulk Poly-Pac	Yellow	-20° to 300° F	For WKM/API type gate valves in sour gas/crude where H ₂ S and CO ₂ are present	Aromatics, Solvents, Hot Air
204	Stick Bulk Poly-Pac	White	-50° to 400° F	Molten Sulphur, Acetic Anhydride, Acetic acid, CO ₂ , H ₂ S, Vacuum (air) - food & pharmaceutical applications as determined by user	L.P.G. and hydrocarbon solvents
220	Stick Bulk Poly-Pac	White	-75° to 250° F	Very cold service for pipe lines, compressor stations, gasoline plants and crude oil production fields. For Liquid Service.	Aromatics, Solvents
262	Stick Bulk Poly-Pac	Translucent	-85° to 250° F	Same as above - Gas Service	L.P.G.
340	Stick Bulk Poly-Pac	Yellow	-20° to 400° F	Where H ₂ S & CO ₂ are encountered	Solvents & Amines
350-A	Stick Bulk Poly-Pac	Yellow	-20° to 400° F	Hydrofluoric acid or mixtures of HF & L.P.G.	Hot Air
400-A	Stick Bulk Poly-Pac	Amber	-20° to 400° F	Aqueous solutions of Acids & Caustics	Liquid Hydrocarbons
400	Stick Bulk Poly-Pac	Red	-20° to 400° F	Acids & Caustics	Liquid Hydrocarbons
450	Stick Bulk Poly-Pac	White	-20° to 450° F	Acids & Caustics, Food & Pharmaceutical applications as determined by user	Liquid Hydrocarbons
525	Stick Bulk Poly-Pac	Translucent	0° to 400° F	Air starting valves, Air fractionaltion	Liquid Hydrocarbons
600	Stick Bulk Poly-Pac	Cream Amber	-20° to 500° F	General gas and water Sealant and general Hydrocarbons service	L.P.G.
650	Stick Bulk Poly-Pac	Blue	-40° to 500° F	Hydrocarbon and L.P.G. service	Aromatics, Alkalies, Solvents
711	Stick Bulk Poly-Pac	Amber	32° to 400° F	Aviation gasoline, Jet fuel, fuel blends of Alkylate	100% Benzine
750	Stick Bulk Poly-Pac	Black	0° to 600° F	Asphalt, General hot oil service, Hot Hydrocarbon vapors and gases	Aromatics, Alkalies, Solvents

CLIMAX VALVE LUBRICANTS/SEALANTS (CONTINUED)

800	Stick Bulk Poly-Pac	White	-20° to 450° F	Butane, Butadiene, Carbon Tetrachloride, Ethane, Propane	Alkalies
900	Stick Bulk Poly-Pac	Black	-20° to 650° F	Natural gas, petrochemical plants, rubber plants, and hot Hydrocarbons service	Alkalies
901	Stick Bulk Poly-Pac	Black	-30° to 300° F	Cold weather, Hydrocarbon lubricant	Alkalies
950	Stick Bulk Poly-Pac	Amber	-40° to 300° F	Propylenes, Benzenes, Toluene, Butadiene, Xylenes, Styrene, Cumenes	Alkalies
960	Stick Bulk Poly-Pac	Amber	-20° to 300° F	Same as 950; Contains high viscosity polymers for better sealing capability	Alkalies
960-MT	Stick Bulk Poly-Pac	White	-20° to 300° F	Same as 960; Contains PTFE for added sealing capability	Alkalies
960-MTH	Stick Bulk Poly-Pac	White	-20° to 300° F	Same as 960-MT; Contains Microfine/Particle Size PTFE for badly worn, scored, leaky plug/ball valves	Alkalies
1034	Stick Bulk Poly-Pac	Maroon	-20° to 400° F	Liquid & Gaseous Aliphatic Hydrocarbon service, Internal Combustion Fuels	Alcohols, Glycols
1034 MT	Stick Bulk Poly-Pac	Cream	-20° to 400° F	Same as 1034; Contains PTFE for added sealing capability	Alcohols, Glycols

Note: Winter Grade Formulas for most Lubricants/Sealants listed are available.

CLIMAX SPECIAL VALVE LUBRICANTS/SEALANTS ^①

Lubricant/ Sealant Number	Grades Available	Color	Temp. Range From To	Principal Services	Unsuitable For
900-T	Stick Poly-Pac	Black	-20° to 650° F	PTFE impregnated lubricant to use in worn, scored or leaky valves	Alkalies
FL-5	Stick Bulk Poly-Pac	White	0° to 400° F	Non-reactive to corrosive liquids and oxidizing agents such as: chlorine, anhydrous hydrogen chloride, nitric acid, oxygen, hydrogen peroxide and sulfuric acid	Alkalies
Polyseal #6	Stick Bulk Poly-Pac	Gray	32° to 450° F	Steam and water lubricant	Liquid Hydrocarbons
Poyseal #3	Bulk Poly-Pac	Red	32° to 650° F	Super heated steam	Liquid Hydrocarbons
1500	Bulk	Silver	0° to 1500° F	Anti-Ceeze Lubricant	Liquid Hydrocarbons
S-3	Bulk	Amber	-20° to 350° F	General Purpose EP Bearing Lubricant	Liquid Hydrocarbons
S-4	Bulk	Blue	-20° to 500° F	General purpose EP High Temperature Bearing Lubricant	Liquid Hydrocarbons
666	Stick Bulk Poly-Pac	Brown	0° to 300° F	McEvoy Gate Valve Seat Compound	Alkalies
800XH	Stick Bulk Poly-Pac	Tan	-20° to 400° F	FMC Style Straight Bodied Plug Valve Sealing Compound	Alkalies
804XH	Stick Bulk Poly-Pac	Amber	-20° to 400° F	Haliburton Style Straight Bodied Plug Valve Sealing Compound	Alkalies
GY-600	Stick Bulk Poly-Pac	Amber	-20° to 300° F	General Hydrocarbon Service/Maintenance Lubricant/Sealant	Alkalies
66111	Stick Bulk Poly-Pac	White	-40° to 400° F	Silicone Compound Equivalent GE661-DC111	Liquid Hydrocarbons

① 8 oz. Poly-Pac gun bags are designed to be used in the Climax 1699 Hydraulic Style Grease Gun. Most bulk grade sealants are available in 14 ½ oz. grease gun cartridges and can be used in the Climax 10516-C/10516-SC Screw Prime Grease Gun.

CLIMAX "PAC-EZ" VALVE STEM PACKING ^②

DESIGNED FOR USE IN VALVES WITH PLASTIC PACKING INJECTOR SYSTEMS
NORDSTROM HYPERSEALS, WKM/API TYPE GATE VALVES & ORBIT BALL VALVES

PAC EZ Number	Grades Available	Color	Temp. Range From To	Principal Services	Unsuitable For
Standard	Stick	Blue	0° to 500° F	General Purpose packing for aliphatic hydrocarbon liquids & gases	Alkalies
107	Stick	Black	0° to 650° F	Hot Hydrocarbon Gases/Vapors	Aromatics, Alkalies, Solvents
109	Stick	Maroon	-40° to 500° F	For Natural & Manufactured Gas Very Low Friction - Use for Butane, Ethane, Methane, Propane (Wet or Dry) Also - Ethylene, Propylene and other L.P.G.s.	Aqueous Solutions & Caustics
204	Stick	White	-50° to 400° F	Molten Sulfur, Acetic Anhydride, Acetic Acid, CO ₂ , H ₂ S & Vacuum (Air)	LPG & Hydrocarbon Solvents
333	Stick	Black	32° to 750° F	Hi-Pressure & Hi-Temp Steam, Expansion Joints, Hot Water, Hot Oil/Steam Combinations, Steam/Super Heated Steam	Hydrocarbon Solvents
333-10	Stick	Black	32° to 750° F	Same as 333; More pumpable - Use w/hydraulic style guns	Hydrocarbon Solvents
400-A	Stick	Tan	-20° to 400° F	Acids & Caustics	Liquid Hydrocarbons
1034	Stick	Green	-20° to 400° F	Aromatic Hydrocarbons, Iso-Octane, Benzene, Toluene, Xylenes, Gasolines, Aviation/Jet Fuels	Alcohols, Glycols
FL-5	Stick	White	0° to 400° F	Corrosive Liquids & Oxidizing Agents such as: Chlorine, Anhydrous HCL, Nitric Acid, Oxygen, Hydrogen Peroxide & Sulfuric Acid	Do not use on Magnesium or Aluminum Parts
"T" Seal	Stick	Brown	-40° to 500° F	To pack off casing wellheads to prevent a combination of pressures and materials between casing head & tubing (referred to as the annulus) from escaping into the atmosphere - for oil & gas production	Alkalies

② PAC-EZ is available in specific diameters, lengths, quantities and packaged accordingly. Continuous rolls of desired length; either round or flat in various sizes are available in bulk packaging.

CLIMAX VALVE CLEANERS ^③

Cleaner Number	Grades Available	Color	Temp. Range From To	Principal Services	Unsuitable For
Valve Turn #1	Stick Bulk Poly-Pac	Black	-20° to 500° F	To work out valve residue left in plug valves in Hydrocarbons service	Not a sealant, Alkalies
Valve Turn #2	Stick Bulk Poly-Pac	Black	-20° to 500° F	Same as above except for acids & caustics	Not a sealant, Liquid Hydrocarbons
VCS #1	Bulk Poly-Bottles	Light Amber	0° to 500° F	To work out valve residue left in valves & ease operation	Not a sealant
VCS #2	Bulk Poly-Bottles	Black	0° to 300° F	Same as VCS #1; contains Alcohol/Moly for more dissolving capability & more efficient operation	Not a sealant
VCS # 2G	Bulk Poly-Pac	Black	0° to 300° F	Same as VCS # 2; Gel formulated for bulk packaging-16-oz. cartridges, Poly-Packs, 5-qt. cans, 5-gallon pails	Not a sealant
VCM	Bulk Poly-Pac	Dark Yellow	-10° to 400° F	Penetrant - Gel formulated to dissolve or soften the hardened or dried lubricants, lacquer & residual gum deposits in a valve which will make it hard to operate.	Not recommended for soft seat valves.

③ Poly-Bottles are available in 8 oz. & 32 oz. Bottles.