

## Valve Sealants & Lubricants

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## EZY-TURN® #2 FRAC Valve Lubricant

A hydrocarbon-resistant, general-purpose gate valve sealant. This lubricant is blended from chemically stable and naturally corrosion-resistant vegetable oils. EZY-TURN #2 contains no solid fillers and is easily pumped with a high-pressure lubricator at temperatures as low as 0°F (-18°C).



### Applications

Condensate, crude, kerosene, jet fuels, dilute acids, dilute alkalies, hydrocarbon gases, and hydrocarbon liquids. It is not for use with oxygen or strong oxidizers.

**Service Rating:** 0°F (-18°C) to 450°F (230°C)

**Color:** Amber

## EZY-TURN® H<sub>2</sub>S Valve Sealant

A premium vegetable and synthetic oil sealant thickened with silicone to provide maximum resistance to hydrogen sulfide and hydrocarbon fluids to temperatures as high as 400°F (204°C). This black, tacky compound is waterproof, corrosion resistant, and is extremely adhesive to all metal surfaces.



### Applications

Acid solutions, diesel fuel, hydrocarbon gases and liquids, sour gas, crude, and water. It is not for use with oxygen or strong oxidizers.

**Service Rating:** 0°F (-18°C) to 400°F (204°C)

**Color:** Black

## EZY-TURN® HIGH-TEMP Valve Sealant

A premium, non-melting, synthetic-based lubricant and sealant for a wide range of valves in high-temperature service. Unaffected by acids, oils, CO<sub>2</sub>, H<sub>2</sub>S, glycols, caustics, water, steam, alcohols, similar-based solvents, and high pressure. EZY-TURN® HIGH-TEMP contains a synergistic blend of MoS<sub>2</sub> and graphite to enhance its sealing properties and provide lubrication to maintain operating torque at extreme temperatures where fluids are lost.



### Applications

Geothermal wellheads, steam, petroleum refineries, and other demanding high-temperature applications.

**Service Rating:** -25°F (-32°C) to 600°F (316°C)

**Color:** Black

## EZY-TURN® POLAR Low-Temp, H<sub>2</sub>S-Resistant Sealant

A black lubricant for arctic oilfield applications. EZY-TURN POLAR is not affected by hydrogen sulfide (H<sub>2</sub>S) and is pumpable with a high-pressure lubricator to -75°F (-59°C).



### Applications

Carbon dioxide, sour crude, hydrogen sulfide, and sour gas. It is not for use with oxygen or strong oxidizers.

**Service Rating:** -75°F (-59°C) to 250°F (121°C)

**Color:** Black

## EZY-TURN® #3 ARCTIC

### Seat Sealant

EZY-TURN #3 ARCTIC is a multipurpose valve lubricant and sealant that provides excellent overall resistance to CO<sub>2</sub>, H<sub>2</sub>S, moisture, and gases. Its urethane-silicone carrier performs well to temperatures as low as -70°F (-57°C)

**Service Rating:** -70°F (-57°C) to 500°F (260°C)

**Color:** Black



## EZY-TURN® #4

### Valve Sealant

Formulated from food-grade, polyester-based fluids that provide increased resistance to aliphatic hydrocarbons. When compared with the standard vegetable products, EZY-TURN #4 has superior performance characteristics in both low and high-temperature applications.

### Applications

Fuel oils, crude, water, liquid and gaseous aliphatic hydrocarbons, kerosene, jet fuel, natural gas, and aqueous solutions. It is not for use with oxygen or strong oxidizers.

**Service Rating:** -40°F (-40°C) to 500°F (260°C)

**Color:** Black



## EZY-TURN® #3

### Valve Sealant

Specifically designed for light hydrocarbon liquids and gases, making it the sealant of choice for pipeline and compressor stations. Pumps easily in temperatures as low as 0°F (-18°C) with a high-pressure lubricator. With a blend of vegetable oils and molybdenum disulfide (MoS<sub>2</sub>) as a solid lubricant, EZY-TURN #3 resists all aliphatic hydrocarbons, protects internal plug surfaces, and reduces valve operating torque.

### Applications

Aliphatic hydrocarbons, butane, fuel oils, hot gases, LPG, natural gas, and propane. Not for use with oxygen or strong oxidizers.

**Service Rating:** 0°F (-18°C) to 500°F (260°C)

**Color:** Black



## EZY-TURN® #5

### Plug Valve Sealant

A general-purpose, heavy-duty sealant that is resistant to aliphatic hydrocarbons and aqueous solutions. Formulated from nontoxic, high-viscosity vegetable oils and polymers, EZY-TURN #5 contains a food-grade thickener with no other solid lubricants or fillers.

### Applications

Aliphatic hydrocarbon liquids, crude, dilute acids & alkalis, fuel oils, gasoline, natural gas, and water. Not for use with oxygen or strong oxidizers.

**Service Rating:** 0°F (-18°C) to 400°F (204°C)

**Color:** Orange



## SILICONE COMPOUND DM

### Moisture-Proofing Sealant & Lubricant

Provides excellent lubrication and sealing properties for plug and gate valves, stuffing boxes, O-rings, and vacuum and pressure systems. Will not harm most elastomers and plastics. Ideally suited for subzero processing and freezer applications. Not recommended for use on surfaces to be painted. Dielectric strength: >500volts/mil. Available in NLGI Grades 2 & 3. NSF H-1 Registered #13225 (Grade 2), #13224 (Grade 3). Conforms to MIL C-21567A (Grade 2), MIL S-8660-C (Grade 3). NATO Code# S-736.

**Service Rating:** -70°F (-57°C) to 400°F (204°C)



## EZY-TURN® #6

### Synthetic Plug Valve Sealant

Premium food-grade synthetic fluid formula for maximum hydrocarbon resistance over a broad temperature range. Pumpable and usable at low temperatures, it also retains its firm consistency at very high temperatures when injected into the valve and oxygen contact is avoided.

### Applications

Aliphatic hydrocarbons, butane, fuel oils, hot gases, LPG, natural gas, and propane. Not for use with oxygen or strong oxidizers.

**Service Rating:** -30°F (-35°C) to 500°F (260°C)

**Color:** Green



Material Safety Data Sheets & product bulletins are available online or through the Customer Service department

## EZY-TURN® #8

### PTFE Stem Packing Sealant

A vegetable oil-based formula containing a high-percentage blend of PTFE particles for maximum sealing power. Excellent for use in worn or scored valves with leaking tendencies. Hydrocarbon and water resistant and can be injected through standard, giant-button head fittings with a high-pressure lubricator. EZY-TURN #8 is suitable for use as an injectable stem packing and as a thread sealant.



### Applications

Aliphatic hydrocarbons, butane, fuel oils, hot gases, LPG, natural gas, and propane. Not for use with oxygen or strong oxidizers.

**Service Rating:** -0°F (-18°C) to 500°F (260°C)

**Color:** Green

## EZY-TURN® PVS

### Plug and Ball Valve Sealant

A hydrocarbon-resistant general purpose gate valve sealant. This sealant is blended from chemically stable and naturally corrosion-resistant vegetable oils. EZY-TURN #2 contains no solid fillers and is easily pumped with a high-pressure lubricator at temperatures as low as 0°F (-18°C).



### Applications

Condensate, crude, kerosene, jet fuels, dilute acids, dilute alkalis, hydrocarbon gases, and hydrocarbon liquids. Not for use with oxygen or strong oxidizers.

**Service Rating:** 0°F (-18°C) to 450°F (230°C)

**Color:** Amber

## EZY-TURN #14

### Seat Sealant

A premium, synthetic-based, “peanut butter” type sealant/lubricant primarily designed for oilfield applications. Can be used on Christmas trees or line valves. Effective in services that involve mixtures of hydrocarbons with salt water, dilute acids, or alkalis. “Product of Choice” for high and low temperature extremes.

**Service Rating:** -40°F (-40°C) to 400°F (204°C)



## EZY-TURN® #12

### Seat Sealant, Creamy Peanut Butter

EZY-TURN #12 is a “peanut butter” type product designed for expanding and other gate valves with body cavities. Recommended for applications where gas or liquid hydrocarbon resistance is required. It is also an ideal general-purpose sealant. EZY-TURN #12 is formulated from vegetable oils and polymers to reduce torque during valve operation while providing a leak-proof seal. EZY-TURN #12 injects into the valve body using a high-pressure lubricator.



### Applications

Aliphatic hydrocarbon liquids, crude, dilute acids & alkalis, fuel oils, gasoline, natural gas, and water. Not for use with oxygen or strong oxidizers.

**Service Rating:** 0°F (-18°C) to 250°F (121°C)

**Color:** Brown

## EZY-TURN® #22

### Gate Valve Seat Sealant

EZY-TURN #22 Gate Valve Seat Sealant, Body Filler, and Lubricant is a premium sealant formulated from a unique blend of synthetic and vegetable-based oils for use in expanding gate-type valves. EZY-TURN #22 contains no solid fillers that may inhibit valve lubrication. Although designed for expanding gate-type valves, EZY-TURN #22 can be effectively used on virtually any lubricated gate valve. EZY-TURN #22 provides optimum sealability, lubricity, and torque reduction while being hydrocarbon and water resistant. Easily injectable into the valve body using a high-pressure lubricator. Ideal for use with gaseous services.



### Applications

Aliphatic hydrocarbon liquids, crude, dilute acids & alkalis, fuel oils, gasoline, natural gas, and water. Not for use with oxygen or strong oxidizers.

**Service Rating:** -50°F (-46°C) to 300°F (149°C)

**Color:** Yellow

Material Safety Data Sheets & product bulletins are available online or through the Customer Service department

Each compound is manufactured using only proven formulas for high and low temperatures and a full range of valve and service conditions.

## EZY-TURN® #196 High-Pressure Sealant

EZY-TURN #196 is a premium sealant formulated from a unique blend of high viscosity, gas-resistant synthetic and vegetable-based oils for use in all valve types. Ideal sealant for service applications involving gases, distillates, dilute acids, and steam. EZY-TURN #196 contains special polymeric fibers and other sliding lubricants to enhance sealability in extreme applications. Although designed for expanding gate-type valves, EZY-TURN #196 is used effectively on many other valve types.



### Applications

EZY-TURN #196 has been formulated for use in production oil-field situations (pipeline valves) where a variety of service conditions may be required. This is a premium product and should be used where typical solid fillers mandated in the “peanut butter” type sealants do not work. The new polymeric fibers add greater performance for extreme services.

**Service Rating:** 0°F (-18°C) to 420°F (215°C)

**Color:** Gold to Amber

## EZY-TURN® #7 Ball Valve Sealant

EZY-TURN #7 ball valve sealant is formulated from premium food-grade synthetic fluids for maximum hydrocarbon resistance over a broad temperature range. Pumpable and usable at temperatures as low as -30°F (-35°C). It also retains its firm consistency at temperatures as high as 400°F (204°C) when injected into the valve and oxygen contact is avoided. Fortified with inhibitors against H<sub>2</sub>S, rust, and oxidation.



### Applications

EZY-TURN #7 is an all-purpose sealant for use in any application involving aliphatic hydrocarbon product streams. EZY-TURN #7 is resistant to water and aqueous services, but is not recommended for steam service. Ideal for use in ball valves where the temperature range of conventional vegetable oil sealants precludes their use. Particularly well suited for low temperature applications (-30°F (-35°C) to 20°F (-7°C)). Will not dissolve in aliphatic hydrocarbon services. Prevents scoring and galling on precision valve surfaces.

**Service Rating:** -30°F (-35°C) to 400°F (204°C)

**Color:** Blue

## EZY-TURN® BODY FILL Body Filler

An economical petroleum oil-based sealant that readily flows into hard-to-fill orifices and channels in gate valve body cavities when pumped with a high-pressure lubricator. EZY-TURN BODY FILL is economical where hydrocarbon resistance is not a major concern. EZY-TURN BODY FILL is petroleum based, has good metal adhesion, and field studies show it has excellent ability to remain in the body cavity and displace water and foreign material.



### Applications

EZY-TURN BODY FILL should be used in situations where economy is a factor and maximum hydrocarbon resistance is not required. Good for close tolerance valves due to metal adhesion and superior flow properties under pressure.

**Service Rating:** 0°F (-18°C) to 450°F (230°C)

**Color:** Black

## EZY-OPEN™ Valve Penetrant (grease or liquid form)

EZY-OPEN™ valve penetrant is designed to penetrate scale, rust, corrosion, and old hardened valve lubricants which can hamper or disable valve operation. EZY-OPEN can be purchased as a soft gel or as a liquid specifically formulated from a select group of nonflammable, nontoxic, and biodegradable fluids capable of softening or dissolving valve lubricants and sealants, residual gums, lacquer, scale, and corrosion deposits.



### Applications

EZY-OPEN valve penetrant is designed to penetrate and lubricate disabled or hard to operate lubricated valves. Excellent for use in any injectable assembly to aid in disassembly.

**Service Rating:** -10°F (-23°C) to 400°F (204°C)

**Color:** Amber

Material Safety Data Sheets & product bulletins are available online or through the Customer Service department

# Stick-Type Valve Packing

## EZY-PAK™ #100

### Injectable PTFE Packing Compound

A high content of ground PTFE particles held together with a minimum amount of inert binder. It can be injected using a high-pressure lubricator and standard fittings, or can be hand packed into any area that requires a chemically-inert packing. Under heat and pressure, a small amount of binder may leak from the fittings. Reinjection of compound under pressure will activate the seal.

### Applications

Ideal for applications where chemically-resistant PTFE gasket or packing is required. EZY-PAK #100 conforms to any shape when injected under pressure. Formulated with minimum binder, providing an almost-pure PTFE gasket or sealant.

**Service Rating:** 0°F (-18°C) to 550°F (288°C)

**Color:** White



## EZY-PAK™ #120

### General-Purpose Injectable Packing Compound

A "dough-like" hydrocarbon resistant vegetable oil, polymer, inert filler, and high-temperature fiber packing compound. Injectable into internal voids in valve bonnets, stuffing boxes, and other equipment with a high-pressure lubricator. Under pressure, EZY-PAK #120 conforms to the shape of any void and forms a gasket or seal.

### Applications

Recommended for hydrocarbon and aqueous services in any oilfield, industrial, or marine application in which an injectable packing is desired to fill an internal void. It is hydrocarbon and water resistant.

**Service Rating:** 0°F (-18°C) to 750°F (400°C)

**Color:** Black



## EZY-PAK™ #115

### Expanding Gate Valve Stem Gland Packing

Formulated for expanding gate valve stem glands to prevent leaks while lowering torque required to operate the valve. Synthetic fluids and fibers plus inert fillers and a high percentage of ground PTFE particles reliably seal over a wide temperature range. Pumpable using a high-pressure lubricator, or may be formed by hand into any void requiring a packing compound.

### Applications

EZY-PAK #115 is ideal for use in any industrial or marine application requiring a leak-free seal in an expanding type gate valve.

**Service Rating:** -80°F (-62°C) to 550°F (288°C)

**Color:** Green



## EZY-PAK™ #125

### Extreme-Temp Packing Compound

Specifically designed for use in severe arctic conditions. Formulated with synthetic binders, polymers, inert fillers, and fibers, EZY-PAK #125 provides a flexible packing at temperatures as low as -75°F (-60°C). Pumpable with a high-pressure lubricator, EZY-PAK #125 conforms to any shape, preventing leaks and/or foreign materials from entering the valve cavity. Excellent water resistance allows use for steam applications.

### Applications

Specifically designed for valves, wellheads, and other equipment in arctic conditions.

**Service Rating:** -75°F (-60°C) to 750°F (400°C)

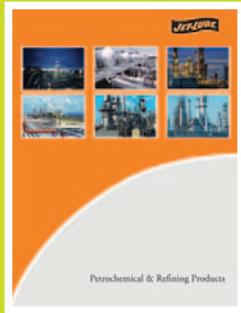
**Color:** Blue



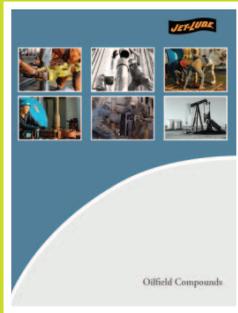
## Valve Lubricant/Sealant Comparison Chart

JET-LUBE®	CHEMOLA DESCO	CLIMAX	COOPER/ CAMERON	FMC	HUSKEY	LUBCHEM	NORDSTROM BTR/AUDCO	OCR	R.S. CLARE & CO.	SEALWELD	VALTEX	ABB VETCO GRAY	W-K-M	OTHERS
EZY-TURN® #2	600	650, 800	0315452701 (stick) 0315452702 (stick)	--	#6	#1, #4	555 WG	600	--	EQUA-LUBE 80	80	Y002 or VGS 5.3100.1	112	DANIEL TYPE 1 SIZE "B"
EZY-TURN® #3	111 (HS) 955	900	--	G70200	--	#3	--	--	C.M. Compound	--	PL 1000	--	--	Weatherford Well Cat
EZY-TURN® #4	422	350A Poly Seal 3	71383711-5lb 71383712-25lb 71383713-120lb keg 700677-120lb keg 71383714-400lb drm	--	--	--	735	--	VALVE LUBE 601	--	50 972K	--	--	--
EZY-TURN® #5	600, 800	650, 800	See EZY-TURN #2	P/N 3256666 (stick)	#4	--	555, 654	611 (stick)	--	--	85	--	--	--
EZY-TURN® #6	--	Poly Seal 6, 220	--	--	--	50-400 FORMASIL CO <sub>2</sub>	1033	--	--	--	--	--	--	--
EZY-TURN® #7	433	--	--	--	--	--	--	--	--	--	--	--	--	--
EZY-TURN® #8	TFE SEAL 104	900 TC	--	--	#2 HD Teflon	#1, #2, #3	--	404	--	#5050	--	--	--	--
EZY-TURN® #12	620	102-SWS & 110	--	--	--	102 SPECIAL & 196 SPECIAL	--	616	--	--	60	--	102	McEVVOY RS 1608
EZY-TURN® #22	622	650, 800	--	--	#6	#1, #4	733	--	--	--	--	VGS 53100.1	112/105	--
EZY-TURN® 196														
EZY-TURN® BODY FILL	TF-41 960	S-100	700667-5lb 700668-20lb 700669-120lb keg 700770-400lb drm PS-1-1603 700676-25 lb	G70100	BODY FILL	LONGLIFE 1600 (closer to Jet-Lube CB-2)	X-208	--	G.P. VALVE GREASE	--	--	--	108	--
EZY-TURN® H <sub>2</sub> S	SS-14	340 360HS	PS-1-1605, TS- 41H	--	--	50-500	X-184	--	--	D-1014	972	--	375	Magnalube
EZY-TURN® POLAR	HS-LT 111(LT)	901 Frosty 220	PS-1-1604 700671-5lb 700672-25lb 700673-120lb keg 700674-400lb drm	G70302	--	LONGLIFE ARCTIC BP ARCTIC	862	610	L.T. VALVE LUBE & H.L. LOW TEMP	--	--	Y004 VGS 5.3100.3	--	--
EZY-TURN® PVS	No Equal	No Equal	No Equal	No Equal	No Equal	No Equal	950	No Equal	No Equal	Total Lube 911	No Equal	No Equal	No Equal	No Equal
EZY-OPEN™ Gel	VALVE CUT	Valve Turn	--	--	Valve Cheater	VALVE SAVER	VPX Valve Purge	613	--	Valve Cleaner	--	--	--	--
EZY-OPEN™ Liq										Valve Flush				
EZY-PAK™100	VERSI-PAK	PAC EZ	--	--	--	TFE Stem Pack	--	--	--	Slick Sticks	--	--	--	Bergmann 8032 SCW
EZY-PAK™115	#625	--	J STIK 022176-06- 000-00	--	--	TFE Self Mold Packing	Stem Packing 903	--	--	--	--	--	109, 115, 107	--
EZY-PAK™120	STEM-PAK	--	--	G70700	--	PAK-OFF	Stem Packing 909	--	--	--	--	300-461-2	--	--
EZY-PAK™125	ARCTIC PAK & SILICONE PAK 2511	--	--	--	--	Low Temperature Pak	--	--	--	--	--	--	--	--

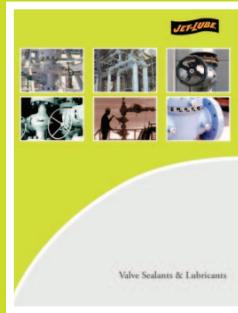
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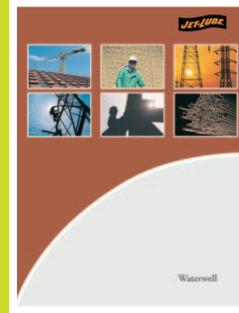
Petrochemical &  
Relining Products



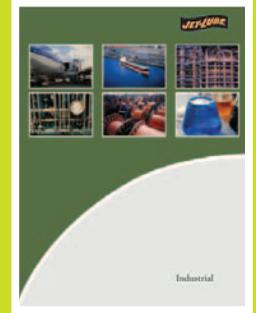
Oilfield Compounds



Valve Sealants  
& Lubricants



Waterwell



Industrial



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