

P R O D U C T G U I D E



***JET-LUBE***<sup>®</sup>

**Valve  
Maintenance**

*J*et-Lube has been a leader in the development and manufacturing of high quality grease products since 1949.

*Jet-Lube is recognized by the NLGI (National Lubrication Grease Institute) as a master blender of grease products, by the ASTM for our research, test and R&D lab, and the U.S. government for our Mil-Spec test capabilities. Jet-Lube's reputation as an industry leader has been earned in the world's harshest environments and the most demanding applications.*

## Frac Valves

### EZY-TURN® #2

#### Frac and Wellhead Valve Lubricant

EZY-TURN #2 is a general purpose gate valve lubricant and that is comprised of synthetic oils that are H<sub>2</sub>S inhibited and corrosion resistant. This compound will not mix with water or frac sands. The Ideal product for any wellhead, frac, and industrial valves where hydrocarbon resistance is a priority.

Applications: Ideal for any Frac, Wellhead or Industrial valve encountering kerosene, jet fuel, crude/salt water, gas/dilute acid and other mixtures.

Operating range 0°F - 450°F  
Color: Amber

90580 - B stick, 90581 - J stick, 90582 - K stick, 90522 - 10 lb. can,  
90516 - 40 lb. pail, 90524 - 120 lb. drum, 90529 - 400 lb. drum



### EZY-TURN® #22

#### Frac and Wellhead Valve Lubricant

EZY-Turn #22 is a premium general purpose gate valve lubricant and that is comprised of a unique blend of synthetic and vegetable oils that are H<sub>2</sub>S inhibited and corrosion resistant. This compound will not mix with water or frac sands. The Ideal product for any wellhead, frac, and industrial valves where hydrocarbon resistance is a priority.

Applications: Ideal for any Frac, Wellhead or Industrial valve encountering petroleum gases and liquids, butane, propane, crude oil, dilute acids and salt solutions.

Operating range -50°F - 420°F  
Color: Amber

96581 - J stick, 96582 - K stick, 96522 - 10 lb. can,  
96516 - 40 lb. pail, 96524 - 120 lb. drum, 96529 - 400 lb. drum



## Pipeline Gate and Wellhead Valves

### EZY-TURN® #3

#### Valve Lubricant

EZY-TURN #3 contains a blend of vegetable oils and Molybdenum disulfide (MoS<sub>2</sub>). This specialty formulated base gives EZY-TURN #3 the ability to lower torque for smooth valve operation. The special additives to this compound makes EZY-TURN #3 resistant to all aliphatic hydrocarbons and LP Gases.

Applications: Ideal for any pipeline and compressor station operation valve.

Operating range 0°F - 500°F  
Color: Black

93080 - B Stick, 93081 - J Stick, 93082 - K Stick, 93016 - 40 lb. pail,  
93024 - 120 lb. drum, 93029 - 400 lb. drum



### EZY-TURN® #3 ARCTIC

#### Gate & Plug Valve Lubricant

EZY-TURN #3 ARCTIC has a specially formulated, proprietary, base grease that allows this paste-like compound to be easily pumped in Arctic conditions. It adheres to metal providing a thin protective barrier from galling while providing superior leak protection.

Applications: Ideal for pipeline and compressor station plug or gate valves where high concentrations of H<sub>2</sub>S, or salt water are present. Excellent resistance to aliphatic liquids and gases.

Operating range -70°F - 500°F  
Color: Black

93122 - 10lb. can, 93116 - 40 lb. pail, 93124 - 120 lb. drum,  
93129 - 400 lb. drum



### EZY-TURN® #12

#### (Peanut Butter)

#### Gate Valve Lubricant

EZY-TURN #12 is a "peanut butter" type product that is specially designed for expanding gate valves. H<sub>2</sub>S and rust inhibited, #12 provides a particle-proof seal while lowering torque for easy operation again and again.

Applications: Ideal for use in gate valves that specify a "peanut butter" type lubricant. Is recommend for use in gate valves encountering hydrocarbons mixed with water and dilute acids or alkalis.

Operating range 0°F - 250°F  
Color: Beige

95522 - 10 lb. can, 95516 - 50 lb. pail, 95524 - 120 lb. drum,  
95529 - 400 lb. drum



### EZY-TURN® POLAR

#### Gate Valve Lubricant for Arctic Conditions

EZY-TURN POLAR is a premium gate valve lubricant containing specialty blended base oils allowing it to be pumpable in Arctic conditions. This Grey/Black paste is H<sub>2</sub>S inhibited and resistant to carbon dioxide. Polar will not mix with water and adheres to metal providing a solid boundary that prevents galling and seizure.

Applications: Designed for use in any gate valve requiring lubrication under arctic conditions. Resistant to hydrocarbons, hydrogen sulfide, carbon dioxide and water.

Operating range -75°F - 350°F  
Color: Black

91522 - 10 lb. can, 91516 - 35 lb. pail, 91524 - 120 lb. drum,  
91529 - 400 lb. drum



## Pipeline Gate and Wellhead Valves

### EZY-TURN® #196

#### HI Pressure/Temp Valve Lubricant

EZY-TURN #196 is the go-to for Christmas tree and line valves. The vegetable and synthetic base oils are blended with special polymeric fibers to provide excellent sliding and sealing ability from foreign matter under extreme service in many types of valves.

Applications: Recommended for any gate valve application requiring resistance to hydrocarbon or hydrocarbon/water mixtures.

Operating range 0°F - 420°F

Color: Gold to Amber

95022 – 10 lb. can, 95016 – 45 lb. pail, 95024 – 120 lb. drum,  
95029 – 400 lb. drum



### EZY-TURN® H<sub>2</sub>S

#### Gate Valve Lubricant

EZY-TURN H<sub>2</sub>S is specialty designed for lubricating where extreme heat and high amounts of hydrogen sulfide are present. This black tacky compound stays put on all metal surfaces and is water resistant. The vegetable and synthetic oil base is thickened with silica to provide maximum resistance to H<sub>2</sub>S and hydrocarbons.

Applications: Recommended for all gate valves that may come in contact with sour crude or sour gas. Excellent for use with acid solutions and diesel fuels.

Operating range 0°F - 400°F

Color: Black

91022 – 10 lb. can, 91016 – 40lb. pail, 91024 – 120 lb. drum,  
91029 – 400 lb. drum



### EZY-TURN® BODY FILL

#### Body Filler and Lubricant

EZY-TURN BODY FILL is a smooth Grey to Black sticky paste that adheres well to metal. The petroleum oil base, allows Body Fill to easily flow into tight valve bodies and orifices all while providing excellent corrosion resistant. Also available in Arctic grade.

Applications: Body Fill should be used where hydrocarbon resistance is not a major factor but economy is.

Operating range -20°F - 350°F; Operating range -40°F - 300°F Arctic

Color: Black

92522 – 10 lb. can, 92516 – 35 lb. pail, 92524 – 120 lb. drum,  
92529 – 400 lb. drum, 92422 – 10 lb. can, 92424 – 120 lb. drum,  
92429 – 400 lb. drum



## Ball and Plug Valve Lubricants

### EZY-TURN® PVS

#### Plug Valve Supreme Sealant

Plug Valve Supreme is formulated from high-viscosity vegetable oils and polymers to assure heavy-duty sealing and lubrication in a wide range of ball, gate and plug valves. PVS lowers torque and is insoluble in oil, natural gas, and water.

Applications: Recommended for use in oilfield, refining, petrochemical, power plant, chemical plant, and marine applications that encounter crude oil, natural gas, aliphatic hydrocarbon liquids and dilute acids.

Operating range -20°F - 450°F

Color: Cream

91322 - 10 lb. can, 91329 - 400 lb. drum



### EZY-TURN® #7

#### Ball Valve Lubricant

EZY-TURN #7 Ball Valve lubricant is formulated from premium food grade synthetic fluids for maximum hydrocarbon resistance. H<sub>2</sub>S and corrosion resistant, this product retains its consistency at a wide temperature range.

Applications: Ideal for use in ball valves where the temperature range of conventional vegetable oil product will not work. Particularly well suited for low temperature applications.

Not recommended for Steam Service

Operating range -30°F - 400°F

Color: Blue

94350 - 14 oz. cartridge, 94322 - 10 lb. can, 94316 - 40 lb. pail



## Oxygen Service

### PFPE GREASE

#### Perfluorinated Polyether

PFPE GREASE is a PTFE thickened perfluorinated polyether fluid providing optimum oxidation resistance at temperatures up to nearly 600°F. The first choice for oxygen use and solvent resistance.

Applications: Ideal for oxygen service, cryogenic apparatus, high vacuum applications, O-ring lubrications and food processing.

Operating range -70°F - 600°F

Color: White to Beige

38350 – 1.72 lb. Cartridge, 38307 – 3.5 lb. can, 38316 – 40 lb. pail



## Moisture Proofing and Lubricating Compounds

### SILICONE COMPOUND DM™

#### Moisture Proofing & Lubricant

SILICONE COMPOUND DM is a premium silicone compound for use in a wide variety of applications. With its low volatility and inert properties, it will not react with many elastomers and plastics. Ideal for any valve application that encounters acetic acid, acetone or citric acid. Well suited for spark plugs or as a valve packing.

Applications: Cryogenic environments, lubricant for plug and gate valves, stuffing boxes, O-rings, and vacuum and pressure systems.

Operating range -70°F - 400°F

Color: Translucent White

73560 – 5 oz. tube, 73550 – 14 oz. Cartridge, 73505 – 1 lb. can,  
73506 – 5 lb. can, 73516 – 35 lb. pail, 73524 – 120 lb. drum,  
73529 – 400 lb. drum



### MP SILICONE

#### Moisture Proofing Lubricant

MP SILICONE is a premium silicone grease that can be used with a wide range of elastomers. The inert properties that make up MP SILICONE allow it to be used as an assembly grease for all valve components. It can be used as a releasing agent for both metal and plastic.

Applications: Ideal for low temperature refrigeration applications as well as high temperature bearing and conveyor systems.

Operating range -70°F - 400°F

Color: Translucent

32460 – 5 oz. tube, 32450 – 14 oz. Cartridge,  
32416 – 35 lb. pail, 32424 – 120 lb. drum, 32429 – 400 lb. drum



## Valve Penetrant

### EZY-OPEN™

#### Valve Penetrant

EZY-OPEN Valve Penetrant is formulated for select nontoxic, nonflammable and biodegradable fluids capable of dissolving scale, rust, corrosion, and oil oxidized valve lubricant. Available in soft gel or liquid, EZY-OPEN contains special detergents to remove a gamut of blockages including PTFE.

Applications: Designed to penetrate and lubricate disabled and hard-to-operate lubricated valves. Excellent for use in any injectable assembly to aid in disassembly.

Operating range -10°F - 400°F

Color: Amber

Gel

99050 – 14 oz. Cartridge, 99022 – 10 lb. can, 99024 – 120 lb. drum

Liquid

98920 – 35 lb. pail, 98924 – 120 lb. drum



## Packing Compounds

### EZY-PAK® #100

#### Packing Compound Containing PTFE

EZY-PAK #100 is a white, sticky, fibrous mass containing ground PTFE particles that will not absorb or mix with Asphalt, Fuel Oil or Gasoline. Injected under pressure, EZY-PAK #100 will conform to any shape and create a pure PTFE seal.

Applications: Recommend for valve stems, flange gaskets, bearing packing, and stuffing boxes.

Operating range -10°F - 400°F  
Color: White

97081 – J stick, 97082 – K stick



### EZY-PAK® #115

#### Packing for Expanding Gate Valves

EZY-PAK #115 is formulated from synthetic fluid and fibers plus a high percentage of PTFE. This green stick is designed to resist water, brine, dilute acids and alkalis solutions as well as steam. It is ideal for preventing leaks while lowering torque required to operate the valve.

Applications: Injectable packing that can be pumped into the stem gland of expanding gate valves. It can also be hand formed to form a leak-free seal.

Operating range -80°F - 550°F  
Color: Green

98581 – J stick, 98582 – K stick, 98515 – 30 lb. pail



### EZY-PAK® #125

#### Arctic Grade Packing Compound

EZY-PAK #125 is specifically formulated for use in Arctic conditions. Its ability to withstand crude oil and diesel fuel, makes it ideal for refiners and oil service valves. EZY-PAK #125 conforms to any shape when pumped with a high pressure lubricator.

Applications: Recommended packing compound for valves under arctic conditions. Also recommend for steam service valves.

Operating range -75°F - 750°F  
Color: Light Blue

98081 – J stick, 98082 – K stick



## Grease Guns

### HYDRAULIC GREASE GUNS

#### Rated to 10,000 psi

HYDRAULIC GREASE GUNS are needed for high pressure applications. Benefits include operating ease and smooth efficiency. Usable in any position, these guns are rugged, long lasting, precision manufactured and are recommended for high temperature and harsh environment services such as steam, hot oil, hot compressed gas, and offshore. Standard and special lubricants in stick or bulk can be applied with HYDRAULIC GREASE GUNS. Highly viscous lubricants, sealants, packings, and cleaners can be pumped with ease. These guns are adaptable for pumping liquids and good for measured amounts, preventing excess material discharge. They are also used for hydrostatic and applied testing on pipelines and wellheads..

F-10 – 10,000 psi, F-20 – 10,000 psi, F-30 – 15,000 psi



## Reference

### Valve Lubricant/Sealant Comparison

| 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              | 0315452701 stick<br>0315452702 stick  | -                   | #6            | #1, #4                                  | 555 WG              | 600       | -                              | EQUA-LUBE 80   | 80      | Y002 or VGS 5.3100.1 | 112           | Daniel Type I Size B |
| EZY-TURN® #3               | III (HS) 955                   | 900              | -   | G70200              | -             | #3                                      | -                   | -         | C.M. Compound                  | -              | PL 1000 | -                    | -             | Wetherford Well Cat  |
| EZY-TURN® #4               | 422                            | 350A Poly Seal 3 | 71383711-5lb<br>71383712-25lb<br>1383713-120lb<br>700677-12lb<br>71383714-400lb       | -                   | -             | -                                       | 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           | McEVOY 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<br>700668-20lb<br>700669-120lb<br>700770-400lb<br>PS-1-1603<br>700676-25lb | 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   | 41H<br>PS-1-1604<br>700671-5lb<br>700672-25lb<br>700673-120lb<br>700674-400lb         | G70302              | -             | LONGLIFE ARCTIC BP ARCTIC               | 862                 | 610       | Lt. VALVE LUBE & H.L. Low Temp | -              | -       | Y004 VGS 53100.3     | -             | -                    |
| EZY-TURN® PVS              | -                              | -                | -   | -                   | -             | -                                       | 950                 | -         | -                              | Total Lube 911 | -       | -                    | -             | -                    |
| EZY-OPEN™ Gel              | VALVE CUT                      | Valve Tum        | -   | -                   | 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 022 176-06-000-00  | -                   | -             | 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                     | -                   | -         | -                              | -              | -       | -                    | -             | -                    |

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

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