

# VALVTECT PETROLEUM PRODUCTS

PRODUCT CATALOG



**Performance Enhancing Additives and Branded Fuel Programs.**  
**DIESEL · GASOLINE · MARINE · DISTILLATES · LPG**



# Diesel Guard™ Diesel, Biodiesel & Tank Maintenance Products

For Enhancing Performance, Reducing Maintenance and Downtime Expenses, Winterizing and Stabilization.

## WINTER FORMULA DIESEL and BIODIESEL FUEL TREATMENTS

Today's ultra low sulfur distillate fuels do not respond well to many antigel additives or No.1 blending. These fuels are classified as "hard to treat" due to severe hydro-treating during the refining process, or from the addition of biodiesel. Hard to treat fuels generally contain a larger quantity of heavy wax and higher concentrations of water, making improved cold temperature operability more difficult.

All Diesel Guard™ Antigel/Deicer products are formulated with VT330A™, a proprietary wax crystal modifier/cold flow improver that contains a heavy wax modifier anti-settling agent to provide superior cold temperature performance across the broadest range of fuels. These products can achieve a cold filter plug point (CFPP) comparable to up to a 70% blend of No. 1 and have been proven superior to all other antigel additives tested in ULSD and biodiesel blends.

Diesel Guard™ Antigel/Deicer products also contain a proprietary non-alcohol "SMART" Deicer to prevent water from freezing and plugging fuel filters, and up to three times (300%) more deicer than some competitive winter diesel fuel additives. Its inclusion can lower the moisture freeze point of treated fuels to as low as -50°F. Diesel Guard's Corrosion Guard Technology employs an advanced antioxidant package that helps protect UST's and fuel systems from corrosion damage. It also provides thermal stability and stabilization for longer fuel life.

### Diesel Guard™ Supreme Plus - Winter Formula

Diesel Guard™ Supreme Plus - Winter Formula is formulated for ultimate cold weather protection and performance. It contains our proprietary VT330A™ wax crystal modifier/cold flow improver, "SMART" Deicer, market leading Supreme Detergent Package (provides injector deposit clean-up for improved fuel economy of up to 7%), VT-101™ Lubricity Improver, Corrosion Guard Technology, stabilizer, plus enough cetane improver to boost cetane up to 3 numbers. Meets DW10 and XUD9 performance specifications.

*Treat Rate: 1:1500*

*Container Sizes: Bulk, Totes, Drums and 2.5 Gal. Containers*

*Product Code: DGSPW*

### Diesel Guard™ Supreme - Winter Formula

Diesel Guard™ Supreme - Winter Formula contains our proprietary VT330A™ wax crystal modifier/cold flow improver, "SMART" Deicer, Supreme Detergent Package (provides injector deposit clean-up for improved fuel economy of up to 7%), Corrosion Guard Technology, VT-101™ Lubricity Improver, stabilizer and cetane improver. Meets DW10 and XUD9 performance specifications.

*Treat Rate: 1:1500*

*Container Sizes: Bulk, Totes, Drums and 2.5 Gal. Containers\**

*Product Code: DGSW*

### Diesel Guard™ Supreme XP - Winter Formula

Extremely hard to treat fuels may require an extra performance product to winterize. Diesel Guard™ Supreme Extra Performance (XP) - Winter Formula has been specially formulated for this task. It contains up to two times (200%) the amount of VT330A™ wax crystal modifier, along with "SMART" Deicer, cetane improver, Corrosion Guard Technology, VT-101™ Lubricity Improver, stabilizer, and Supreme Detergent Package (provides injector deposit clean-up for improved fuel economy of up to 7%), making it the industry's most powerful winter diesel treatment at a single treat rate. Meets DW10 and XUD9 performance specifications.

*Treat Rate: 1:1500*

*Container Sizes: Bulk, Totes, Drums and 2.5 Gal. Containers*

*Product Code: DGSWXP*

### Diesel Guard™ Anti-Gel Deicer Concentrate

Diesel Guard™ Winter Antigel/Deicer Concentrate offers the most economical solution for solving winter diesel problems. It contains the same amount of VT330A™ wax crystal modifier and "SMART" Deicer as our Supreme winter additives, but is offered without additional detergent and cetane improver for those customers who do not require them. A low cost winterizing additive for easier handling and reduced inventory.

*Treat Rate: 1:3000*

*Container Sizes: Bulk, Totes, Drums and 2.5 Gal. Containers*

*Product Code: AGPW*

### Diesel Guard™ BioDiesel Anti-Gel Deicer

Diesel Guard™ BioDiesel Anti-Gel Deicer is formulated to provide superior performance in winterizing biodiesel blends in excess of 5%. It employs a unique wax crystal modifier technology developed to be effective in varying types of biodiesel blends, plus extra "SMART" Deicer to prevent water from freezing and plugging fuel filters.

*Treat Rate: 1:1500 for B10*

*1:750 for B20*

*Container Sizes: Bulk, Totes, Drums and 2.5 Gal. Containers*

*Product Code: BDAGDW*

### Diesel Guard™ BioDiesel 100 Anti-Gel

Diesel Guard™ BioDiesel 100 Anti-Gel is designed to be extremely effective in winterizing neat (100%) biodiesel. It is used to lower pour point and improve the handling of ULSD and biodiesel blends.

*Treat Rate: 1:300 for B100*

*Container Sizes: Bulk, Totes and Drums*

*Product Code: BD100AGW*

\*Also available in aftermarket packs (see page 7).



## DIESEL GUARD™ HIGH PERFORMANCE DIESEL FUEL

Diesel Guard™ High Performance Diesel Fuel is formulated using the optimal blend of Diesel Guard™ additive technology and has been test proven to outperform other major brands on the market today. It is one of the most widely recognized and respected fuel brands among distributors, dealers and end users, with a loyal following developed over its 30+ years in the market.

Diesel Guard™ High Performance Diesel Fuel is backed by an extensive advertising, signage and merchandising support program promoting its many advantages over standard diesel products. Customers appreciate the immediate performance difference they experience with first use and welcome its impact on reducing equipment downtime and repair expenses.

## DIESEL GUARD™ SUPREME DIESEL FUEL TREATMENTS

Diesel Guard™ Supreme Additives are formulated to boost all types of diesel fuel performance, restore lost power, improve fuel economy, help prevent corrosion, and clean, lubricate and protect vital engine components.

### Diesel Guard™ Supreme Plus High Performance

Diesel Guard™ Supreme Plus is recognized as the industry's leading high-performance diesel additive. Its formulation includes the complete Supreme Detergent Package (provides injector deposit clean-up for improved fuel economy of up to 7%), Corrosion Guard Technology, VT-101™ Lubricity Improver, stabilizer, plus enough cetane improver to raise cetane up to 5 numbers. Meets DW10 and XUD9 performance specifications.

*Treat Rate: 1:3000*

*Container Sizes: Bulk, Totes, Drums and 2.5 Gal. Containers*

*Product Code: DGSP*

### Diesel Guard™ Supreme High Performance

Diesel Guard™ Supreme contains the complete Supreme Detergent Package (provides injector deposit clean-up for improved fuel economy of up to 7%), Corrosion Guard Technology, VT-101™ Lubricity Improver, stabilizer, plus cetane improver. It offers improved performance and the benefits of a superior detergent package at a low treat cost. Meets DW10 and XUD9 performance specifications.

*Treat Rate: 1:3000*

*Container Sizes: Bulk, Totes, Drums and 2.5 Gal. Containers\**

*Product Code: DGSCRD*

### Diesel Guard™ Detergent

Diesel Guard™ Detergent is formulated to help prevent "sticky" injectors and clean up and prevent internal and external injector deposits in all engine types, including High Pressure Common Rail (HPCR). This Supreme Detergent has been test proven to restore fuel economy up to 7.3% and to reduce fuel filter plugging by as much as 50% by improving thermal and storage stability that help prevent the formation of asphaltene. Meets DW10 and XUD9 performance specifications. Contains Corrosion Guard Technology.

*Treat Rate: 1:5000*

*Container Sizes: Bulk, Totes and Drums\**

*Product Code: DGSS*

### Diesel Guard™ Cetane Improver

Diesel Guard™ Cetane Improver raises the cetane number of all distillate fuels to improve cold starting, provide faster warm ups, reduce emissions and noise, deliver more complete combustion and enhance overall performance.

*Treat Rate: (Varies, See Product Data Sheet)*

*Container Sizes: Totes and Drums*

*Product Code: CETS*

## DIESEL GUARD™ TANK MAINTENANCE TREATMENTS

Ultra low sulfur distillate fuels and biodiesel are perfect breeding grounds for biological contaminants (bacteria, fungi, etc.) that can plug fuel filters and corrode engine components, storage tanks and fuel dispensers. BioGuard™ biocide and Tank Dri™ moisture dispersant provide the perfect tank maintenance solutions for preventing bacteria caused slime and sludge and resolving microbiological contamination.

### BioGuard™ Plus 6 Multifunctional Biocide

BioGuard™ Plus 6 is the only EPA registered and approved multifunctional dual phase biocide. It contains BioGuard™ dual phase biocide plus six (6) additional components: Supreme Detergent Package (provides injector deposit clean-up for improved fuel economy of up to 7%), stabilizer, moisture dispersant, cetane improver, Corrosion Guard Technology and VT-101™ Lubricity Improver.

BioGuard™ Plus 6 is the perfect solution for treating diesel fuel, heating oil and biodiesel to prevent bacteria growth, stabilize distillate fuels for up to 2 years, and prevent fuel sludge, slime and filter plugging.

*Treat Rate: 1:1500*

*Container Sizes: Totes, Drums, 2.5 Gal. and 1 Gal. Containers\**

*Product Code: BGDP6*

### BioGuard™ ULS Biocide

BioGuard™ ULS is an EPA registered dual phase biocide that attacks biological contamination in the water phase (bottoms) and fuel phase for complete protection. The perfect solution to prevent or kill all types of microbiological contamination in distillate fuels and gasoline. Effective in 1-3 hours versus 24-36 hours for competitive products.

*Treat Rate: Maintenance 1:7400 / Kill 1:2500*

*Container Sizes: Totes, Drums, 5 Gal. and 1 Gal. Containers\**

*Product Code: BGDULS*

### Tank Dri™ Moisture Dispersant & Deicer

Tank Dri™ Moisture Dispersant & Deicer is formulated to safely remove excess water in diesel fuel storage and vehicle tanks. Its non-alcohol formula absorbs a controlled amount of water to help dry out fuel systems, prevent corrosion and reduce conditions that promote bacterial growth. It also acts as a deicer to reduce the freeze point of water.

*Treat Rate: 1:7500*

*Container Sizes: Totes, Drums and 1 Gal. Containers*

*Product Code: TKDW*

\*Also available in aftermarket packs (see page 7).

# Diesel Guard™ Product Features & Benefits

Use The Charts Below To Select The Diesel Guard Product Best Suited For Your Specific Needs

## WINTER FORMULA DIESEL & BIODIESEL ADDITIVES

FEATURES & BENEFITS	Diesel Guard™ Supreme Plus Winter Formula - DGSWPW Diesel Guard™ Supreme Winter Formula - DGSW Diesel Guard™ Supreme XP Winter Formula - DGSWXP Diesel Guard™ Antigel/Deicer - Concentrate - AGPW Diesel Guard™ Antigel/Deicer - BioDiesel Diesel Guard™ BioDiesel Antigel - BD100AGW					
	1:1500	1:1500	1:1500	1:3000	1:1500	1:300
Standard Treat Rate (Gal.)	1:1500	1:1500	1:1500	1:3000	1:1500	1:300
Helps Prevent Gelling	X	X	X	X	X	X
Helps Prevent Icing	X	X	X	X	X	
Significantly Reduces Cold Filter Plug Point	X	X	XX	X	X	X
Significantly Reduces Pour Point	X	X	XX	X	X	X
Contains Heavy Wax Modifier	X	X	XX	X	X	X
Provides Wax Anti-Settling Protection (WASA)	X	X	XX	X	X	X
Contains Non Alcohol "SMART" Deicer	X	X	X	X	X	
Cleans Up and Keeps Clean Internal (IDID) and Exterior Injector Deposits	X	X	X			
Prevents Sticky and Fouled Injectors	X	X	X			
Prevents Formation of Asphaltene Deposits and Sludge, Disperses Particulates	X	X	X			
Meets DW10 and XUD9 Clean Up/Keep Clean Performance Specifications	X	X	X			
Restores/Improves Fuel Economy Up To 7.3%	X	X	X			
Restores Lost Power and Performance	X	X	X			
Restores/Extends Particulate Trap Filter Life	X	X	X			
Extends Fuel Filter Life	X	X	X			
Increases Cetane Number	Up To 3	X	X			
Helps Improve Thermal and Storage Stability	X	X	X			
Contains Additional VT101™ Lubricity Improver	X	X	X			
Prevents Premature Wear of Fuel Injectors and Pumps	X	X	X			
Disperses Controlled Amounts of Water	X	X	X	X	X	
Helps Prevent Rust and Corrosion	X	X	X	X	X	
Contains Additional Corrosion Guard Technology	X	X	X			

XX - Contains more than 40% more cold flow improve.

## HIGH PERFORMANCE DIESEL ADDITIVES, BIOCIDES & TANK MAINTENANCE

FEATURES & BENEFITS	Diesel Guard™ Supreme Plus DGS-SP Diesel Guard™ Supreme DGS-SPD Diesel Guard™ Detergent DGS BioGuard Plus™ 6 Multifunctional Micro-Biocide - BGDp6 BioGuard™ ULS - BGDULS Tank Dr™ Moisture Dispersant & Deicer - TKDW Diesel Guard™ Cetane Improver CET5						
	1:3000	1:3000	1:5000	1:1500	1:2500 <sup>1</sup> 1:7400 <sup>2</sup>	1:7500	1:10000
Standard Treat Rate (Gal.)	1:3000	1:3000	1:5000	1:1500	1:2500 <sup>1</sup> 1:7400 <sup>2</sup>	1:7500	1:10000
Cleans Up and Keeps Clean Internal (IDID) and Exterior Injector Deposits	X	X	X	X			
Prevents Sticky and Fouled Injectors	X	X	X	X			
Prevents Formation of Asphaltene Deposits and Sludge, Disperses Particulates	X	X	X	X			
Meets DW10 and XUD9 Clean Up/Keep Clean Performance Specifications	X	X	X	X			
Restores/Improves Fuel Economy Up To 7.3%	X	X	X	X			
Restores Lost Power and Performance	X	X	X	X			
Restores/Extends Particulate Trap Filter Life	X	X	X	X			
Extends Fuel Filter Life	X	X	X	X	X		
Increases Cetane Number	Up To 5	Up To 1		Up To 2			See Chart
Helps Improve Thermal and Storage Stability	X	X	X	X			
Contains Additional VT101™ Lubricity Improver	X	X	X	X			
Prevents Premature Wear of Fuel Injectors and Pumps	X	X	X	X			
Disperses Controlled Amounts of Water	X	X	X	X		X	
Helps Prevent Rust and Corrosion	X	X	X	X	X	X	
Removes Breeding Ground For Bacteria	X	X	X	X	X	X	
Kills and/or Prevents Bacteria and Other Biological Contaminates				X	X		
Contains Additional Corrosion Guard Technology	X	X	X	X			

<sup>1</sup>To Kill Bacteria. <sup>2</sup>To Prevent Bacteria.



# Extended Protection Gasoline Additive and XP+™ Gasoline

For Boosting Performance, Reducing Maintenance Costs and Extending Engine Life.

## HIGH PERFORMANCE GASOLINE ADDITIVE

### High Performance Gasoline Additive

*Delivers "Beyond Top Tier Performance"*

Everyday drivers, fleet operators and gasoline powered equipment users depend on their gasoline engines to perform their best to take the kids to school, shop, make deliveries, run emergency generators and mow the lawn. They want sure starting, peak performance, low emissions and minimal engine maintenance and downtime expense from the fuels they purchase.

High Performance Gasoline Additive is formulated to deliver on all fronts by providing a convenient way for gasoline purchasers to boost the performance and engine protection properties of the fuels they purchase "Beyond Top Tier Performance" levels by treating them with an advanced additives package. Our proprietary formula is designed to enhance the characteristics of all gasoline types including non-ethanol, ethanol to E85, racing fuel, synthetics and biogasoline:

High Performance Gasoline Additive will enhance engine power and performance, improve fuel economy, prevent ethanol related problems, control moisture, clean-up carbon deposits, prevent octane loss, protect against corrosion, reduce maintenance costs, and stabilize fuel for 1 year or longer.

*Treat Rate: 1:3200*

*Container Sizes: Totes, Drums and 2.5 Gal. Containers\**

*Product Code: HPGA*

## X-TENDED PROTECTION+ GASOLINE

### XP+™ High Performance Gasoline

*Delivers "Beyond Top Tier Performance"*

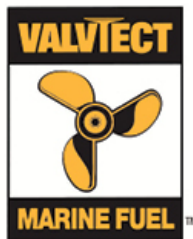
XP+™ Gasoline is a branded high performance fuel containing an optimal blend of performance enhancing High Performance Gasoline Additive. It is available in all gasoline grades for maximum customer reach and supported by an aggressive branding, education and merchandising program to promote station differentiation and customer loyalty.

XP+™ Gasoline goes "Beyond Top Tier Performance" and is designed to enhance the performance of a car's engine while simultaneously cleaning and protecting vital components from unnecessary wear and breakdown. It represents a new generation of gasoline formulated to be good for a customer's vehicle, and their wallet, by cleaning up deposits, improving mileage, reducing maintenance costs and extending engine life.

Only XP+™ Gasoline Offers A Combination of These Extensive Benefits:

- Delivers "Beyond Top Tier Performance"
- Optimizes Fuel Economy
- Maximizes Power and Acceleration
- Reduces Maintenance Costs
- Contains Corrosion Guard Technology
- Extends Engine Life
- Greatly Enhances Fuel Stability for Longer Fuel Life
- Cleans Up Intake Valves, Injectors, Carburetors and Combustion Chamber Deposits, and Prevents "Gunk"

\*Also available in aftermarket packs (see page 7).



# ValvTect® Marine Gasoline and Marine Diesel

“Specially Formulated for Marine Engines.”™

Recreational and commercial marine engines operate under different RPMs, loads, run times and service intervals than their land bound counterparts. Environmental conditions, such as weather, and slow fuel turnover also play a larger role in the degradation and performance qualities of the gasoline and diesel fuels they consume, often to the detriment of higher maintenance and downtime expenses.

Non-marine grade street gasoline and commercial diesel fuels formulated for automotive and truck use are often a poor performance alternative for marine applications and lack important additive packages necessary for optimum engine performance and protection. ValvTect® brand Marine Gasoline and Marine Diesel are marine-grade fuels that have been specially formulated to meet the unique needs of marine engines. They

contain ValvTect’s advanced and proprietary additive packages designed to help optimize performance, reduce maintenance cost, extend engine life, and guard against environmental instability and corrosion.

ValvTect® performance additive packages are also suitable for optimizing non-ethanol, E10, and synthetic and biodiesel blends used in marine applications, expanding their customer reach and appeal.

ValvTect® brand marine fuels are the most widely recognized and largest selling marine-grade fuels on the market today. They are available only through and distributed by authorized and certified ValvTect® Marine dealers that meet ValvTect’s quality control protocol to assure exceptional performance.

## VALVTECT® MARINE GASOLINE

Many marine gasoline engines are forced to operate at higher RPMs and loads than car or truck engines, and can consume up to 10 times more fuel per hour of operation. They are also more susceptible to deposits, phase separation, moisture, corrosion and fuel stability problems caused by ethanol blended gasoline and all fuels used in the marine environment.

ValvTect® Marine Gasoline is “specially formulated for marine engines” and is designed to help prevent problems associated with ethanol gasoline, such as phase separation, moisture, poor stability and the formation of power-robbing carbon deposits. A proprietary “Beyond Top Tier Performance” additive package cleans up engine deposits to maximize power, acceleration and fuel economy, saving money with each fill up. No additional additives are required to protect marine engines, eliminating the risk of improper or harmful additive use, or incapacibilities that could negatively affect performance.

### VALVTECT® MARINE GASOLINE vs. AUTOMOTIVE GASOLINE

FEATURES & BENEFITS	VALVTECT	AUTO
Provides “Beyond Top Tier Performance”	✓	-
Helps Prevent Ethanol Related Problems	✓	-
Stabilized For 1 Year or Longer	✓	-
Contains Corrosion Guard Technology	✓	-
Contains Extra Moisture Dispersant	✓	-
Cleans-up Fuel Injector Deposits	✓	-
Cleans-up Intake Deposits	✓	-
Cleans-up Combustion Chamber Deposits	✓	-
Reduces Harmful Exhaust Emissions <sup>1</sup>	✓	-
Improves Power and Performance <sup>1</sup>	✓	-
Improves Fuel Economy <sup>1</sup>	✓	-

<sup>1</sup> Based on clean-up of injector and fuel system deposits.

## VALVTECT® MARINE DIESEL

Today’s diesel fuels destabilize more rapidly, offer poor lubricity, contain higher levels of moisture and are more susceptible to bacterial growth and filter plugging than older high sulfur diesel. Because sulfur helped to lubricate the fuel system, premature injector and fuel pump wear may also occur.

ValvTect® Marine Diesel contains BioGuard™ biocide, Supreme Detergent package, VT-101™ Lubricity Improver, water dispersant, Corrosion Guard Technology, cetane improver and fuel stabilizer. It is specifically formulated to prevent problems caused by the reduction of sulfur content.

### VALVTECT® MARINE DIESEL vs. COMMERCIAL DIESEL

FEATURES & BENEFITS	VALVTECT	COMM.
Contains BioGuard™ Biocide	✓	-
Helps Prevent Diesel Fuel Problems	✓	-
Meets DW10 & XUD9 Performance Specifications	✓	-
Free of Bacteria & Other Contaminants	✓	-
Stabilized for 2 Years or Longer	✓	-
Contains Corrosion Guard Technology	✓	-
Contains Extra Moisture Dispersant	✓	-
Prevents Sludge & Fuel Filter Plugging	✓	-
Cleans-up Fuel Injector Deposits	✓	-
Contains VT-101™ Lubricity Improver	✓	-
Reduces Smoke and Transom Soot	✓	-
Improves Power, Performance & Fuel Economy <sup>1</sup>	✓	-
Extends Fuel Filter Life	✓	-

<sup>1</sup> Based on clean-up of injector and fuel system deposits.



# LPG Performance Enhancement Products with CH25X™ Technology

For Enhancing Performance, Reducing Maintenance and Downtime Expenses, and Lowering Emissions.

## LUMIN™ LPG TREATMENTS

Lumin™ brand LPG treatments with CH25X™ Technology are the leading gas enhancement products and branded gases developed to improve the performance, cost efficiency, and emissions of green fleet operations and equipment used in industrial manufacturing. They offer LPG distributors the opportunity to provide customers with superior performing gases, while differentiating their services from those of local competitors.

### CGX-4\* with CH25X™ Technology

CGX-4\* with CH25X™ Technology is an enhancement additive for LPG fuel used to power internal combustion engines (green fleet operations, autogas, tow motors, forklifts, and equipment operating in confined spaces). It is formulated specifically to improve LPG power and performance, reduce downtime, lower maintenance costs, and decrease carbon monoxide and other harmful emissions by as much as 70%.

CGX-4\* contains combustion improving compounds that minimize pre-ignition and promote more even burn of LPG in the combustion chamber to improve power, promote efficiency and reduce CO, nitrous oxide and unburned hydrocarbons in exhaust gases. Emulsifiers in CGX-4\* also help soften and remove long chain hydrocarbon buildup in engine vaporizers and carburetor systems, while surfactants disperse and suspend free water and other impurities so they can be processed through final ignition and be expelled with exhaust gases. Upper cylinder lubricant provides lubrication to moving parts at the top of the combustion chamber not lubricated by crankcase oil.

*Treat Rate: 1:2000*

*Container Sizes: Totes, Drums and 2.5 Gal. Containers*

*Product Code: CGX4*

### Vapo-Kleen™ with CH25X™ Technology

LPG deposits heavy ends as it passes through vaporizers and the fuel system. These hydrocarbon chains breakdown in the fuel system leaving a gummy residue buildup similar to grease. Water deposits in vaporizers and fuel systems can also contaminate fuel and freeze, blocking the flow of gas.

Vapo-Kleen\* with CH25X™ Technology is an extremely effective treatment for propane used in heating and drying applications, where propane is vaporized using direct or indirect-fired vaporizers. Its unique compounds remove and prevent long-chain hydrocarbon deposits from forming in vaporizers, and downstream in regulators and valves. It also breaks up and disperses water molecules, eliminating the need for methanol except in extreme conditions.

*Treat Rate: 1:3000*

*Container Sizes: Totes, Drums and 2.5 Gal. Containers*

*Product Code: VAPOKLEEN*

## HGX-3\* with CH25X™ Technology

HGX-3\* LPG gas treatment with CH25X™ Technology is formulated to produce a high performance, highly reliable, lower cost gas alternative to acetylene or propylene for cutting, heating and brazing operations. Its high flame temperature and rapid heat transfer is capable of cutting speeds equal to acetylene while using lower quantities of oxygen on cuts of up to 15-inches thick. Its unique formulation also produces smoother cuts by inhibiting the formation of molten slag.

*Treat Rate: 1:1000*

*Container Sizes: Totes, Drums and 2.5 Gal. Containers*

*Product Code: HGX3*

## BLUEMOON® FILTRATION SYSTEMS for LPG/Propane

Four-stage BlueMoon® Filtration Systems remove particulates, water, heavy oils and harmful chemicals present in LPG from lax refinery practices, inadequate filtration, unclean holding tanks and transport vehicles. Impurities down to 5-micron in size are trapped and removed to ensure that the fuel entering your system is free of contaminants.

### BLUEMOON® FILTERS

MODEL	PORT SIZE	FLOW RATE <sup>1</sup>	WORKING PRESSURE
FST418	3" NPT	85 - 170 GPM	350 PSI
FST124NS	2" NPT	65 - 85 GPM	350 PSI
FST634NS	1" NPT	50 GPM	350 PSI
FST42	3/8" NPT	15 GPM	150 PSI
FST63	1" NPT (Disposable)	35 GPM	150 PSI
FST26	3/8" NPT (Disposable)	15 GPM	150 PSI

<sup>1</sup> Recommended flow rates are for maximum efficiency.

### BLUEMOON® FILTER REPLACEMENT CARTRIDGES

FILTER CARTRIDGE	FITS MODEL	AVE. LIFE SPAN GAL (000)	MICRON FILTRATION
FSTRF8	FST418	500 - 800.	40 → 5
FSTRF4NS	FST124NS	500	40 → 5
FSTRF6NS	FST634NS	250	40 → 5
FSTRF2	FST42	1.2 - 1.4	40 → 5

<sup>1</sup> Recommended flow rates are for maximum efficiency.

*Note: All information depends greatly on operating conditions and fuel quality.*



# After Market Diesel and Gasoline Treatments

For Enhancing Performance, Reducing Maintenance and Downtime Expenses, Winterizing and Stabilization.

ValvTect Petroleum Products extensive line-up of market leading diesel and gasoline fuel treatments are available as after market products for the convenience of the end-user. Packaged in container sizes from 4 oz. to 32 oz. they offer personal portability and efficiency in treating smaller volumes of fuel, as well as retail distribution opportunities for distributors and dealers.

## DIESEL FUEL TREATMENTS

### Diesel Guard™ Anti-Gel Deicer

Concentrated quart bottle treats 250 Gal. Contains VT330A™ wax crystal modifier, wax anti-settling agent (WASA), heavy wax modifier and "SMART" Deicer to help prevent gelling and icing in ULSD and biodiesel blends. Includes multifunctional detergent to keep injectors clean, VT-101™ lubricity improver, Corrosion Guard Technology, stabilizer and cetane improver to help improve cold starts.

*Treat Rate: 32 oz./250 Gal.*

*Container Size: 32 oz. Bottle (Case of 12)*

*Product Code: DGAW32*

### Diesel Guard™ D-Thaw Fuel Reliquifier

Gets gelled fuel flowing again. High performance formula liquefies gelled distillate fuel and biodiesel and de-ices frozen fuel lines, the two most common causes of winter diesel shut downs.

*Treat Rate: 32 oz./Per Treatment*

*Container Size: 32 oz. Bottle (Case of 12)*

*Product Code: DGDT32*

### Diesel Guard™ Supreme Plus High Performance

Specially formulated to prevent problems associated with ULSD in todays diesel engines, including High Pressure Common Rail (HPCR). Cleans-up injectors, extends fuel filter life, restores lost fuel economy, prevents sludge, stabilizes fuel, disperses water and prevents corrosion. Meets DW10 and XUD9 performance specifications.

*Treat Rate: 32 oz./250 Gal.*

*Container Size: 32 oz. (Case of 12)*

*Product Code: DFMS32*

### BioGuard™ Plus 6 Multifunctional Biocide

A unique EPA registered multifunctional dual phase diesel biocide that prevents bacteria, plus stabilizes fuel for up to 2 years or more. Contains Supreme Detergent package to prevent and clean-up injector deposits, prevent corrosion, lubricate injectors & fuel pumps, disperses moisture and increase cetane up to 2 numbers. The perfect solution for treating fuel that will be stored for an extended period of time. Meets DW10 and XUD9 performance specifications.

*Treat Rate: 32 oz./375 Gal.*

*Container Size: 32 oz. Bottle (Case of 12)*

*Product Code: BGD632*

### BioGuard™ ULS Biocide

An EPA registered dual phase biocide that attacks biological contamination in the water phase (bottoms) and fuel phase for complete protection. The perfect solution to prevent or kill all types of microbiological contamination in distillate fuels and gasoline. Effective in 1-3 hours versus 24-36 hours for competitive products.

*Treat Rate: 1 oz./57 Gal. for Maintenance - 1 oz./29 Gal. to Kill*

*Container Sizes: 16 oz. and 32 oz. Bottles (Cases of 12)*

*Product Code: 16 oz. Bottle - BGDULS16 (Treats 920/460 Gal.)*

*32 oz. Bottle - BGDULS32 (Treats 1,840/920 Gal.)*

## GASOLINE TREATMENTS

### XP+™ Gasoline Treatment

XP+™ Gasoline Treatment is formulated to enhance the characteristics of all gasoline types, including non-ethanol, ethanol to E85 and racing, as well as new gasoline types such as synthetic and biogasolines. It may be used in marine, on-road and off-road applications and will not harm emission reduction devices. Continuous use will help to improve fuel economy, enhance power and acceleration, reduce maintenance costs and extend engine life. This package will stabilize fuel for 1 year or longer, clean-up carbon deposits, control moisture, prevent corrosion and ethanol related problems.

*Treat Rate: 1 oz./10 Gal.*

*Container Sizes: 4, 16 and 32 oz. Bottles*

*Product Code: 4 oz. Bottle - XPGT04 (Treats 40 Gal.) - Case of 24*

*16 oz. Bottle - XPGT16 (Treats 160 Gal.) - Case of 12*

*32 oz. Bottle - XPGT32 (Treats 320 Gal.) - Case of 12*

### ValvTect™ Marine Motor De-Carb

Poor engine performance can in many cases be contributed to buildup of carbon deposits in hotter burning engines. ValvTect™ Marine Motor De-Carb provides quick, complete clean-up of carbon deposits, gum and varnish that reduce engine power, performance and fuel economy, and prevents powerhead failure and ring sticking. For use in all 2 and 4-cycle engines. Simple to use, just spray into air intake or carburetor.

*Treat Rate: 13 oz. Can Per Engine*

*Container Size: 32 oz. Aerosol Can (Case of 12)*

*Product Code: MMTS13LV*





# Merchandising Programs & Support Materials

Professional Merchandising and Marketing Support Help Build Business & Profits From Sales of ValvTect® Products.

ValvTect Petroleum Products aggressively supports its distributor and dealer networks with fully integrated merchandising and marketing programs designed to promote awareness and build customer traffic and loyalty for its products. Branding and location signage, customer marketing & take-one materials, merchandising units, seasonal promotional programs and national advertising support have all been fine tuned to help maximize distributor and dealer profits from sales of ValvTect products.

Injection equipment, private label programs and custom products are also available to help marketing partners grow their business.

Existing customers and new users of ValvTect® high-performing fuels and additives extremely loyal to the many advantages they provide. By promoting their availability and superior benefits, you can differentiate your business from competitors to grow traffic and increase long-term purchase loyalty.

Contact your local ValvTect representative today to learn how you can take advantage of the full range of support and merchandising services being made available. You will be glad that you did.

