

**R31 Coolant Premix AN**

G11

Amine-Nitrite-Phosphate free

**-38°C**

VOLTRONIC® R31 Coolant AN Premix (G11) is high performance ready for use premix 1:1 long-life antifreeze coolant for high performance vehicle and stationary engine. Premix with de-ionized water, guaranteed for heavy duty usage, maximum cooling system efficiency and corrosion protection. Share the same DNA with VOLTRONIC® R30 Coolant where approved by Daimler Germany for Mercedes-Benz MB 325.0 norm.

**Features**

- Amine, nitrite and phosphate free.
- Excellent frost and over heating protection.
- Extended drain interval.
- Excellent corrosion inhibitor.
- Excellent cavity protection.
- Excellent lime aggregate prevention.
- Excellent anti-foam.
- Excellent anti-aging behavior.
- Excellent water pump and thermostat lubrication and protection.
- Fully compatible for cast iron, plastic, aluminium, aluminium alloy, magnesium and magnesium alloy radiator.

**Application**

Heavy duty cooling system of high performance vehicles and stationary engines, also largely use for motorsport as well for power generation engines.

**Compatibility**

- ASTM D 3306
- ASTM D 4985
- AFNOR NF R 15-601
- ALFA ROMEO performance
- AUDI TL-774 C (G11)
- BMW N60069.0
- BMW-MINI N60069.0
- BMW GS 9400
- BOMAG performance
- BS 6580
- BUNDESWEHR TL 6805-0038
- CHRYSLER MS7170/MS-9769
- CUMMINS 85T8-2, CESMG03
- DAEWOO performance
- DAIHATSU performance
- DEUTZ TR 0199-99-1115
- DEUTZ H-LV 0160 0188
- FERRARI performance
- FIAT performance
- FORD ESD-M97B49-A
- FORD ESE-M97B44-A
- FORD WSS-M97B51-A1
- GM 1825M, 1899M
- HITACHI performance
- HOLDEN HN2217/HN2043 H
- IVECO 18-1830
- JASO M325
- JENBACHER TA 1000-0201
- JOHN DEERE JDM H24
- JI CASE JIC-501
- JIS K2234 (Japan Industrial Standard)
- KIA performance
- KOBELCO performance



- KUBOTA performance
- KSM 2142 (Korea Standard)
- LAMBORGHINI TL 774 C (G11)
- LEYLAND BLS.22.AF.01
- LIEBHERR TLV 035, TLV 23009 A
- MAN 324 NF, NF PRITARDER
- MAN B&W List 3.3.7
- MAYBACH 325.0
- MERCEDES-BENZ MB 325.0
- MG-ROVER BLS.22.AF.01
- MTU MTL 5048
- MWM TR 0199-99-2091
- NATO S-759
- NISSAN performance
- OPEL QL 130100
- POLISH PN C-40007:2000 norm.
- PORSCHE TL 774 C (G11)
- RENAULT Type D
- RENAULT-SAMSUNG performance
- ROLLS-ROYCE N60069.0
- SAAB 6901599
- SAE J1034
- SEAT TL 774 C (G11)
- SKODA TL 774 C (G11)
- SMART 325.0
- SSANGYONG performance
- SUBARU performance
- SUZUKI performance
- TOYOTA/LEXUS performance
- VOITH TURBO 172.00225010
- VOLVO 1286083/002
- VW TL 774 C (G11)

**R33 Coolant Premix AN-SF+**

G12+

Premix  
Amine-Nitrite-Phosphate-Silicate free

**-38°C**

VOLTRONIC® R33 Coolant AN-SF+ (G12+) is high performance ready for use premix 1:1 long-life antifreeze coolant for high performance vehicles and stationary engines. Premix with de-ionized water, guaranteed for heavy duty usage, maximum cooling system efficiency and corrosion protection.

**Features**

- Amine, nitrite, phosphate and silicate free.
- Excellent frost and over heating protection.
- Extended drain interval.
- Excellent corrosion inhibitor.
- Excellent cavity protection.
- Excellent lime aggregate prevention.
- Excellent anti-foam.
- Excellent anti-aging behavior.
- Excellent water pump and thermostat lubrication and protection.
- Fully compatible for cast iron, plastic, aluminium, aluminium alloy, magnesium and magnesium alloy radiator.

**Application**

Heavy duty cooling system of high performance vehicles and stationary engines, also largely use for motorsport as well for power generation engines.

**Compatibility**

- ASTM D 3306, D 4985
- ALFA ROMEO performance
- ASTON MARTIN WSS-M 97B44-D
- AUDI TL 774 D/F (G12/G12+)
- AFNOR NF R 15-601
- BENTLEY TL 774 D/F (G12/G12+)
- BMW/MINI N 600 69.0
- BUGATTI TL 774 D/F (G12/12+)
- BS 6580
- CITROËN performance
- CUMMINS performance
- DAF 74002
- DEUTZ TR 0199-99-1115
- DETROIT DIESEL DDC 93K217
- FERRARI performance
- FIAT 955523, NC 956-16
- FORD WSS-M 97B44-D
- BUNDESWEHR TL6850-0038/1
- GM 6277M
- HITACHI performance
- HOLDEN 6277M
- HONDA performance
- HYUNDAI performance
- IVECO performance
- IVECO-IRISBUS performance
- JAGUAR WSS-M 97B44-D
- JENBACHER TA 1000-0201
- JI CASE JIC-501
- KIA performance
- KOBELCO performance
- KOMATSU 07.892
- KUBOTA performance
- KSM 2142 (Korea Standard)
- LAMBHORGINI TL 774 D/F (G12/G12+)
- LAND ROVER WSS-M 97B44-D
- JASO M325
- JOHN DEERE JDMH5
- JIS K2234 Class 2
- LEYLAND DW03245403
- LIEBHERR MD 1-36-130
- MACK 014 GS 17009
- MAN 324 SNF
- MAYBACH 325.3
- MAZDA MEZ MN 121D
- MERCEDES-BENZ MB 325.3
- MITSUBISHI ES-X64217
- MTU MTL 5048
- MWM TR0199-99-2091
- NISSAN NES M5059
- NATO S-759
- OPEL 6227M
- PORSCHE TL 774 D/F (G12/G12+)
- PSA B 71 5110
- RENAULT RNUR 41-01-001Q Type D
- RENAULT RNUR 41-01-001S Type D
- RENAULT-SAMSUNG performance
- ROLLS-ROYCE N 600 69.0
- SAAB 6227M
- SCANIA T1 02-98 0813 T/B/M SV
- SMART 325.3
- SSANGYONG performance
- SUBARU performance
- SUZUKI performance
- TOYOTA/LEXUS long-life TSK2601G
- VOLVO 128 6083/002
- GE-WAUKESHA performance
- YANMAR performance
- VW TL 774 D/F (G12/G12+)
- WÄRTSILÄ 32-9011
- WÄRTSILÄ SULZER Diesel TR 1508-10/94
- WÄRTSILÄS ACM Diesel DLP799861



**R35 Coolant Premix AN++**

G12++ (Plus plus)  
 OAT organic coolant  
 Amine-Nitrite-Phosphate free

**-38°C**

VOLTRONIC® R35 Coolant OEM Premix AN++ (G12++) is high performance ready for use premix 1:1 OAT organic long-life antifreeze coolant for high performance vehicles and stationary engines. Premix with de-ionized water, guaranteed for heavy duty usage, maximum cooling system efficiency and corrosion protection.

**Features**

- Amine, nitrite and phosphate free.
- Excellent frost and over heating protection.
- Extended drain interval.
- Excellent corrosion inhibitor.
- Excellent cavity protection.
- Excellent lime aggregate prevention.
- Excellent anti-foam.
- Excellent anti-aging behavior.
- Excellent water pump and thermostat lubrication and protection.
- Fully compatible for cast iron, plastic, aluminium, aluminium alloy, magnesium and magnesium alloy radiator.

**Application**

Heavy duty cooling system of high performance vehicles and stationary engines, also largely use for motorsport as well for power generation engines.

**Compatibility**

- ASTM D 3306
- ALFA ROMEO performance
- ASTON MARTIN WSS-M 97B44-D
- AUDI TL 774 G (G12++)
- AFNOR NF R 15-601
- BENTLEY TL 774 G (G12++)
- BMW/MINI N 600 69.0
- BUGATTI TL 774 G (G12++)
- BS 6580
- CITROËN performance
- CUMMINS performance
- DAF 74002
- DEUTZ TR 0199-99-1115
- DETROIT DIESEL DDC 93K217
- FERRARI performance
- FIAT 955523, NC 956-16
- FORD WSS-M 97B44-D
- BUNDESWEHR TL6850-0038/1
- GM 6277M
- HOLDEN 6277M
- HYUNDAI performance
- IVECO performance
- IVECO-IRISBUS performance
- JAGUAR WSS-M 97B44-D
- JENBACHER TA 1000-0201
- JI CASE JIC-501
- KIA performance
- KSM 2142 (Korea Standard)
- LAMBHORGINI TL 774 G (G12++)
- LAND ROVER WSS-M 97B44-D



- JOHN DEERE JDMH5
- LEYLAND DW03245403
- LIEBHERR MD 1-36-130
- MACK 014 GS 17009
- MAN 324 Type Si-OAT
- MAYBACH 325.3
- MAZDA MEZ MN 121D
- MERCEDES-BENZ MB 325.3
- MERCEDES-BENZ MB 325.5
- MITSUBISHI ES-X64217
- MTU MTL 5048
- MWM TR0199-99-2091
- NATO S-759
- OPEL 6227M
- PORSCHE TL 774 G (G12++)
- PSA B 71 5110
- RENAULT RNUR 41-01-001Q Type D
- RENAULT RNUR 41-01-001S Type D
- RENAULT-SAMSUNG performance
- ROLLS-ROYCE N 600 69.0
- SAAB 6227M
- SCANIA TI 02-98 0813 T/B/M SV
- SMART 325.3
- SSANGYONG performance
- VOLVO 128 6083/002
- GE-WAUKESHA performance
- VW TL 774 G (G12++)
- WÄRTSILÄ 32-9011
- WÄRTSILÄ SULZER Diesel TR 1508-10/94
- WÄRTSILÄS ACM Diesel DLP799861

## VOLTRONIC® Antifreeze Coolant

### R37 Coolant Premix AN

G13

Amine-Nitrite-Phosphate free

-37°C



VOLTRONIC® R37 Coolant OEM Premix AN (G13) is high performance ready for use premix 1:1 long-life antifreeze coolant for VAG Group vehicles where required antifreeze coolant in accordance VW TL 774 J standard. Premix with de-ionized water, guaranteed for heavy duty usage, maximum cooling system efficiency and corrosion protection.

#### Features

- Amine, nitrite and phosphate free.
- Excellent frost and over heating protection.
- Extended drain interval.
- Excellent corrosion inhibitor.
- Excellent cavity protection.
- Excellent lime aggregate prevention.
- Excellent anti-foam.
- Excellent anti-aging behavior.
- Excellent water pump and thermostat lubrication and protection.
- Fully compatible for cast iron, plastic, aluminium, aluminium alloy, magnesium and magnesium alloy radiator.

#### Compatibility

- AUDI TL 774 J (G13)
- SEAT TL 774 J (G13)
- SKODA TL 774 J (G13)
- VW TL 774 J (G13)

### R38 Racing Coolant Premix

Extreme duty



VOLTRONIC® R38 Racing Coolant Premix is ultra performance extreme heavy duty coolant for racing and competition race engines. With special Glycol formulation based material allow to protect cooling system boiling point up to 280°C.

#### Features

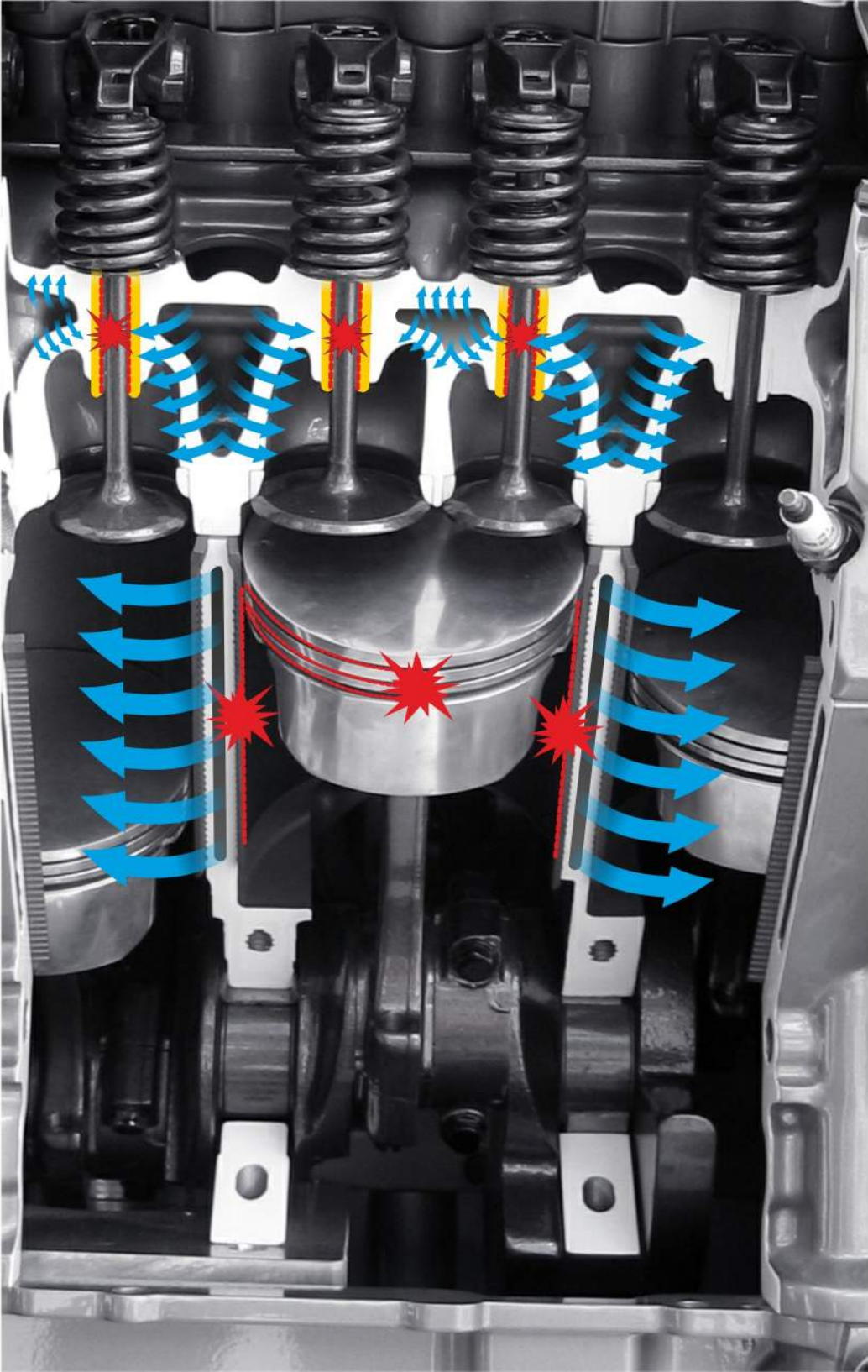
- Extreme heavy duty coolant.
- Excellent heat dissipation.
- Protect against overheating.
- Protect against cavity.
- Protect against corrosion.

#### Application

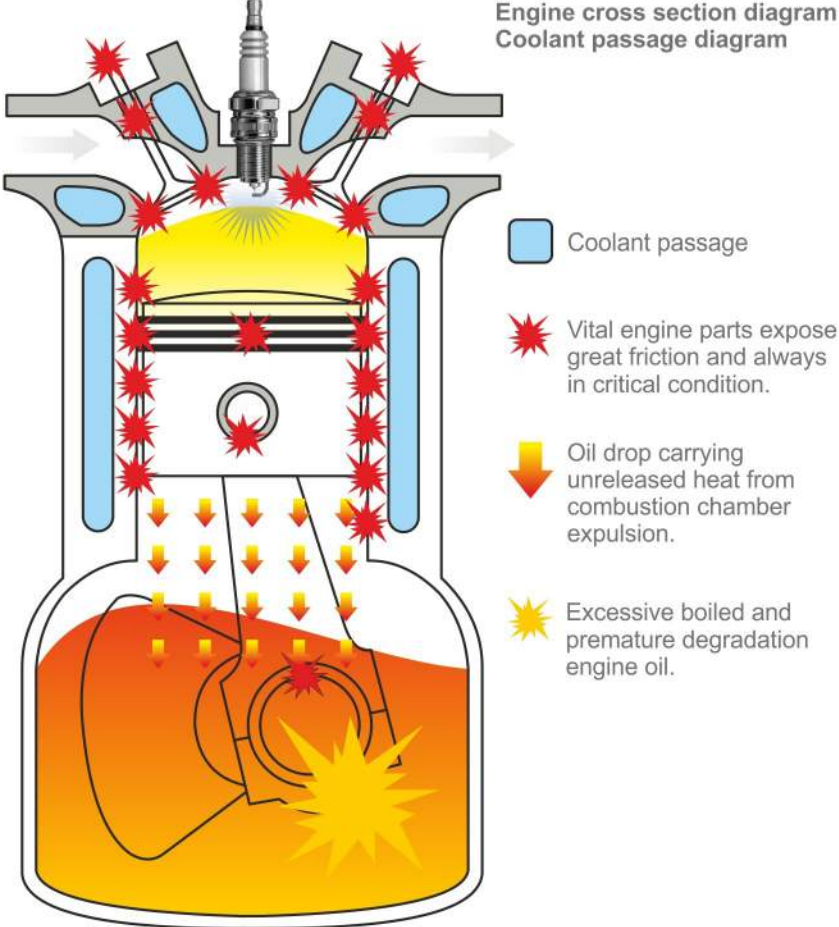
Use for competition only. Coolant should be replace after race. Professional usage only.

**VOLTRONIC® Antifreeze Coolant**

Coolant play important role in modern cooling system. The cooling system dissipate heat where generated from combustion engine as well cooling down the automatic-transmission-fluid (ATF) temperature. Use of water alone will harm the engine where water creates air bubbles where reduce the cooling system efficiency. Most vital engine parts such as engine cylinder, valve guide, valve train exposes to great friction when the cooling system no longer work efficiently and might bring engine to failure and expensive repairs. These are the most causes of premature wear and premature engine oil degradation where the engine oil takes place to cooling down the engine. We recommend to use VOLTRONIC® Coolant in 1:1 mixture with de-ionized or distillate water for maximum cooling system efficiency, corrosion protection, limes build up prevention and longer cooling system service life.



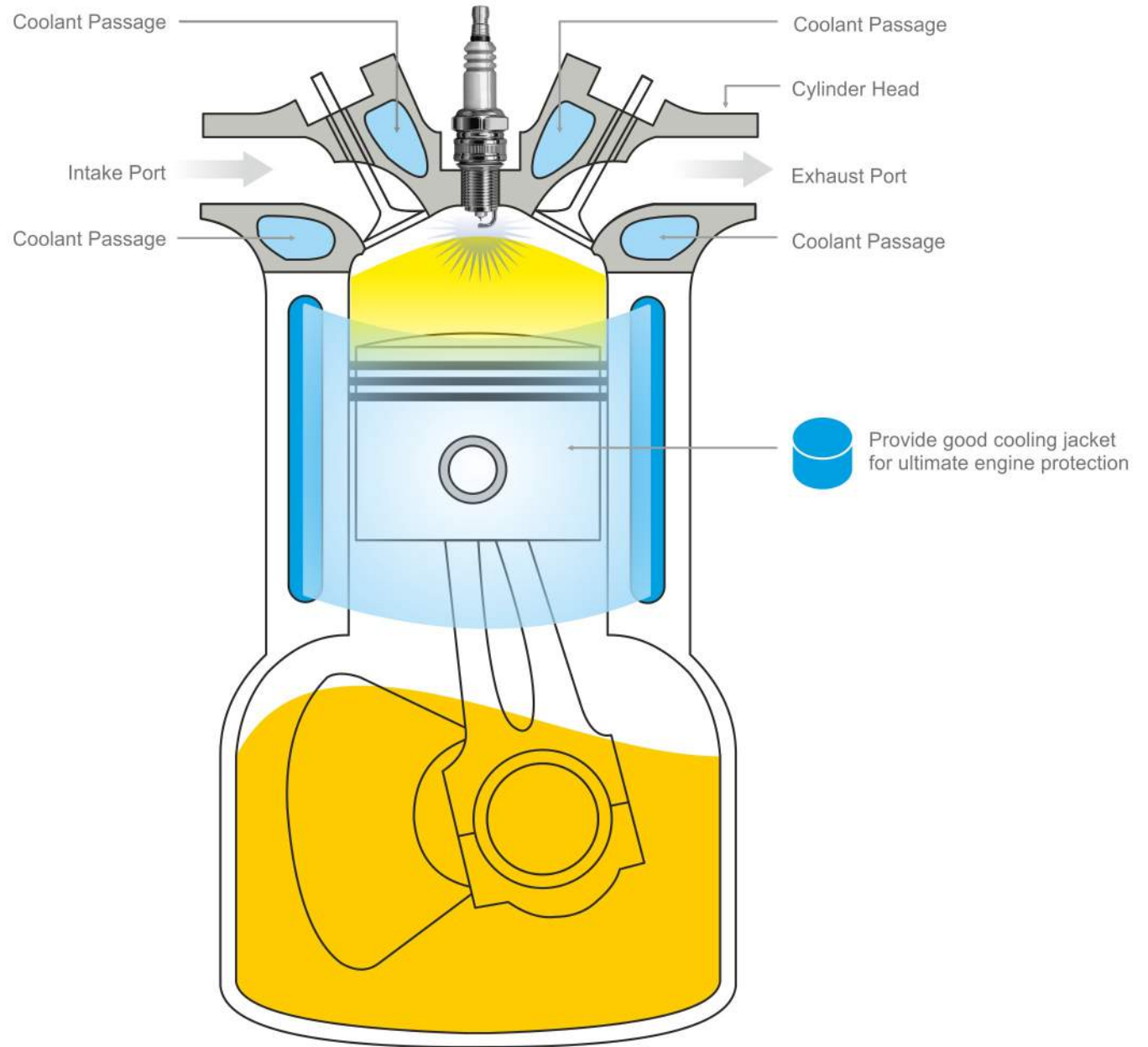
**Engine cross section diagram  
Coolant passage diagram**



## VOLTRONIC® Antifreeze Coolant

### Benefit of using proper anti-freeze coolant

- Protect engine from over heating.
- Prevent from corrosion.
- Prevent from limes built up.
- Lubricate water pump and thermostat.
- Prolong engine service life.
- Prolong automatic transmission gearbox service life.
- Maintain smooth running engine.



Gasoline system	Diesel system
E20 Engine Flush	E20 Engine Flush
E40 Hydraulic Tappet Cleaner	E40 Hydraulic Tappet Cleaner
E50 Engine Protect-Molybdenum Complex	E50 Engine Protect-Molybdenum Complex
E55 Engine Protect-Visco+ (Plus) Oil Booster	E55 Engine Protect-Visco+ (Plus) Oil Booster
E58 Engine Protect-MoS2	E58 Engine Protect-MoS2
E59 Engine Protect-Boron Ceramic	E59 Engine Protect-Boron Ceramic
E70 Oil Stop Leak	E70 Oil Stop Leak
G20 Valve and Injector Cleaner (Gasoline)	D12 Diesel Leichtgängig (Smooth Running)
G30 Octane Booster+ (Plus)	D22 Diesel System Schutz
G62EQ Intake system cleaner	D25 Diesel Anti-Freeze
AT10 Automatic Transmission Flush	AT10 Automatic Transmission Flush
AT20 Automatic Transmission Protect	AT20 Automatic Transmission Protect
PS10 Power Steering Flush	PS10 Power Steering Flush
PS20 Power Steering Protect	PS20 Power Steering Protect
R10 Radiator Flush	R10 Radiator Flush
R20 Radiator Stop Leak	R20 Radiator Stop Leak



## E20 Engine Flush

Non-aggressive, friendly to seal materials:  
Silicone, NBR, SNBR, AEM, ACM and FKM.  
EURO-6 ready



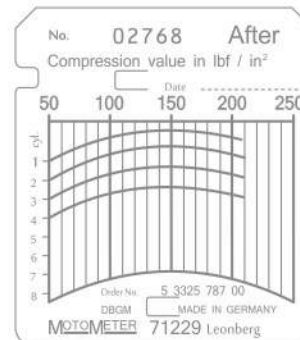
VOLTRONIC® E20 Engine Flush is advanced internal engine cleaner and oil system cleaner. Formulated with extremely low-ash material, EURO-6 ready. Remove harmful deposit such as carbon deposit on piston and piston ring crapper, oil sludge, dirt aggregate and breakdown particles. With corrosion inhibitor neutralize acidity in the engine. Improve engine performance by restoring engine compression up to 99%. Does not contain aggressive cleaning material, friendly to seal material such as silicone, NBR, SNBR, AEM, ACM and FKM.

### Features

Remove harmful deposit such as carbon deposit on piston and piston ring crapper, oil sludge, contamination, dirt aggregate and breakdown particles. Remove oil sludge, contamination, dirt aggregate and breakdown particles, prevent engine from premature wear, prolong engine life.



Improve engine performance by restore engine compression, restore combustion quality, restore fuel economy and reduce emission. Engine compression test before and after engine flush.



Formulated with extremely low-ash materials, EURO-6 ready. Does not contain aggressive cleaning material, friendly to seal material such as silicone, NBR, SNBR, AEM, ACM and FKM. Formulated with corrosion inhibitor, neutralize acidity. Clean hydraulic tappet, reduce and eliminate tappet noise.

Proven ground test with over 200,000 km mileage.



Before using engine flush



After 1st engine flush



After regularly done engine flush on oil change interval

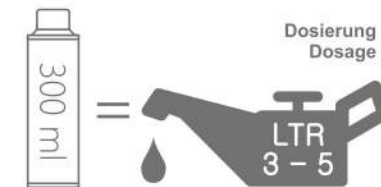


After 200,000 km with regularly done engine flush on oil change interval

### Application

For gasoline, diesel, CNG and hybrid engine with turbocharge or without.

### Usage direction



1 bottle treat 3 to 5 litres motor oil. Add into engine oil prior oil change interval. Drive normally for approx. 400 km or run engine stationary and give throttle intermittently for approx. 20 minutes. Drain, replace motor oil and oil filter.



## E40 Hydraulic Tappet Cleaner

Motor Oil Additive  
EURO-6 ready

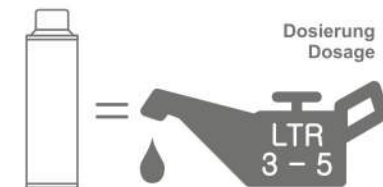


VOLTRONIC® E40 Hydraulic Tappet Cleaner is a rapid action, effective cleaning additive to restore function of hydraulic tappet and reduce tappet noise. Removes dirt and oil sludge residue from tappet valves and bore. Content high EP (extreme pressure) and anti-wear additives; provide corrosion and oxidation protection and remains in motor oil. Blended with extremely low-ash materials, comply with EURO-6 norm engine.

### Features

- Removes dirt and oil sludge residue build up from tappet valves and bores.
- Reduce hydraulic tappet noise.
- Restore and improve hydraulic tappet function.
- Content high EP (extreme pressure) and anti-wear additives, prevent hydraulic tappet from premature wear.
- Provide corrosion and oxidation protection.
- Prevent hydraulic tappet from premature wear, improves and extend engine service life.
- Blended with extremely low-ash material, comply with EURO-6 norm engine.

### Usage direction



- Add into motor oil, one bottle treat for 3 to 5 litres motor oil.
- After added, check motor oil level and adjust oil level if necessary. Over filling motor oil may cause severe engine damaged.
- Suitable to be use with mineral or fully synthetic motor oil.
- Suitable for both gasoline and diesel engine with turbocharge or without.
- Fully recommended for modern multi-valves and multi-cylinders engine and also suitable for older generation engine.
- Worn out hydraulic tappet cannot be maintained with this additive, prevention measure shall be taken.

## G20 Valve and Injector Cleaner

Complete Fuel System Cleaner and Decarbonizer For Gasoline System  
EURO-6 Ready

TÜV Certified Effectiveness

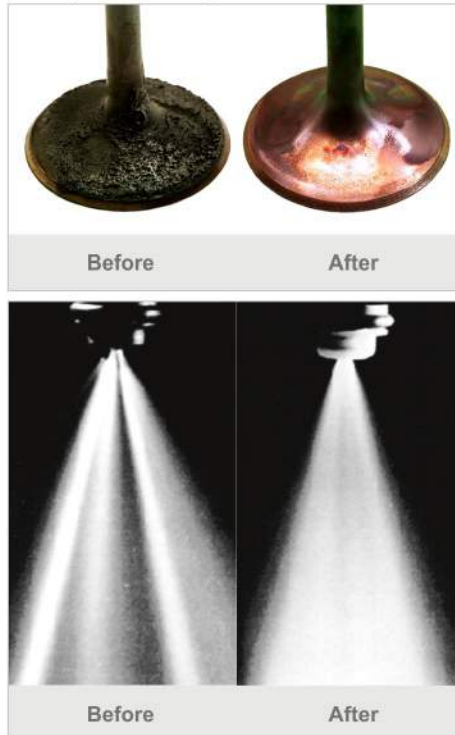


VOLTRONIC® G20 Valve and Injector Cleaner is high performance fuel system cleaner and decarbonizer. Formulated with extremely low-ash materials, EURO-6 ready. Improve fuel system performance and reliability, promote smooth running engine.

### Features

- TÜV certified effectiveness
- Complete fuel system cleaner and decarbonizer.
- Neutralize water contamination.
- Improve fuel system reliability.
- Improve fuel economy.
- Reduce emission.
- Extremely low-ash, EURO-6 ready.
- Promote smooth running engine.

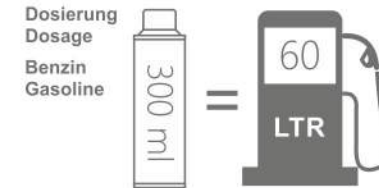
Fuel injector and engine valves, before and after treatment



### Application

For gasoline engine, CNG and hybrid-gasoline.

### Usage direction



One bottle treat up to 60 litres gasoline fuel or at least 10 litres. Directly add into fuel tank. Treat every 10,000 km or depend on fuel quality.

## G62-EQ Intake System Cleaner

Complete Intake System Cleaner  
and Decarbonizer  
EURO-6 ready



VOLTRONIC® G62-EQ Intake System cleaner is high performance complete intake system cleaner for gasoline engine. Removes carbon built-up from throttle body, intake manifold and intake valve. Improve stoichiometry air-fuel ratio, improve clean burn performance, improve engine performance and promote smooth running engine.

### Features

- Complete intake system cleaner and Decarbonizer.
- Removes carbon deposit from throttle body, intake manifold and intake valves.
- Improve stoichiometric air-fuel ratio, improve clean burn.
- Protect valve seat from premature wear.
- Improve engine performance.
- Promote smooth running engine.

Throttle body and intake valves, before and after treatment.



### Application

For gasoline engine, CNG and hybrid-gasoline.

### Usage direction

- Use around 400 to 500 ml.
- Run engine around 3000 RPM.
- Use air-pressurize device around 1.5 to 2 bar pressure.
- Release the product through vacuum air intake.
- Treat every 20000 km or depend on local fuel quality.

## G30 Octane Booster+ (Plus)

The Original Racing Formula  
8 RON Octane Improver and  
Complete Fuel System Cleaner

TÜV Certified Effectiveness

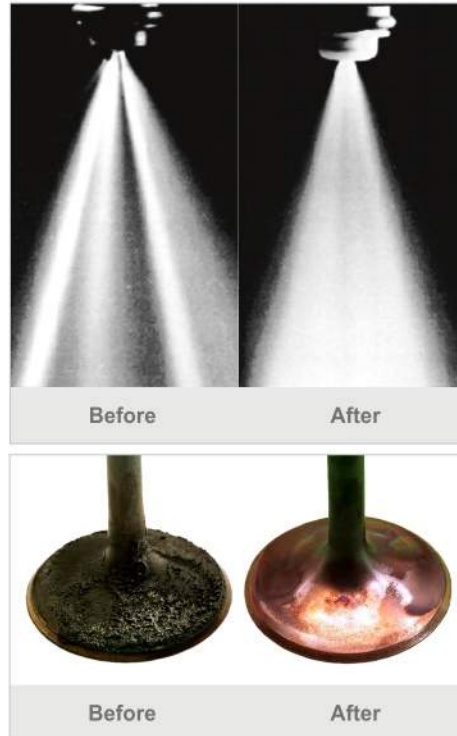


VOLTRONIC® G30 Octane Booster+ (Plus) is high performance 2 in 1 formula fuel additives for gasoline system, TÜV certified effectiveness an 8 RON octane improver and complete fuel system cleaner.

### Features

- TÜV Certified Effectiveness.
- 2 in 1 formula, 8 RON octane improver and complete fuel system cleaner (decarbonizer).
- The original racing formula.
- EURO-6 ready.
- Promote smooth running engine.

Fuel injector and engine valves, before and after treatment



### Application

For gasoline engine, CNG and hybrid-gasoline.

### Usage direction



One bottle treat up to 45 litres or at least 10 litres gasoline fuel. Directly add into fuel tank. Treat every 10,000 km or depend on fuel quality.

## D12 Diesel Multi-Reiniger

Complete Fuel System Cleaner  
 Complete Diesel Decarbonizer  
 DPF Cleaner  
 EGR Valve Cleaner  
 EURO-6 Ready

TÜV Certified Effectiveness



VOLTRONIC® D12 Multi-Reiniger/Diesel Leichtgängig/Diesel Smoke Stop is high performance complete fuel system and exhaust system cleaner for diesel system.

### Features

- TÜV Certified Effectiveness.
- Complete fuel system cleaner and diesel decarbonizer.
- Complete exhaust system cleaner and decarbonizer.
- Lubricate CRDI and Pumpe-düse system.
- Clean fuel injectors and engine valves.
- Clean EGR (Exhaust Gas Recirculation) valves.
- Clean DPF (Diesel Particle Filter).
- Clean SCR (Selective Catalytic Reduction).
- Neutralize water impurity in diesel fuel.
- Improve diesel system performance and reliability.
- Reduce emissions.
- EURO-6 ready.
- Promote smooth running engine.

Fuel injector and engine valves, before and after treatment



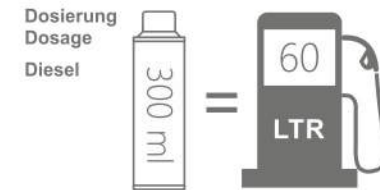
### Application

Fully recommended for modern diesel system EURO-6, especially with

- DPF system (Diesel Particulate Filter).
- SCR system (Selective Catalytic Reduction).
- CRDI system (Common Rail Direct Injection).
- Pumpe-düse system.

Also compatible for older generation diesel engine.

### Usage direction



One bottle treat up to 60 litres diesel fuel or at least 10 litres. Directly add into fuel tank. Treat every 10000 km or depend on local fuel quality.

## D22 Diesel System Schutz

Complete Diesel Fuel System Cleaner  
EURO-6 Ready

TÜV Certified Effectiveness



VOLTRONIC® D22 Diesel System Schutz is high performance complete fuel system cleaner for diesel system. Improve diesel performance and reliability. EURO-6 ready and TÜV Certified Effectiveness. Promote smooth running engine.

### Features

- TÜV Certified Effectiveness.
- Complete diesel fuel system cleaner.
- Clean and lubricate CRDI and Pumpe-düse system.
- Neutralize water impurity in diesel fuel.
- Improve diesel system performance and reliability.
- Reduce emissions.
- EURO-6 ready.
- Promote smooth running engine.

Fuel injector and engine valves, before and after treatment



### Application

Fully recommended for modern diesel system EURO-6, especially with

- DPF system (Diesel Particulate Filter).
- SCR system (Selective Catalytic Reduction).
- CRDI system (Common Rail Direct Injection).
- Pumpe-düse system.

Also compatible for older generation diesel engine.

### Usage direction



One bottle treat up to 60 litres diesel fuel or at least 10 litres. Directly add into fuel tank. Treat every 10000 km or depend on local fuel quality.

**D25 Diesel Anti-Freeze**

EURO-6 Ready

Summer Diesel -18°C

Winter Diesel -28°C



VOLTRONIC® D25 Diesel Anti-Freeze is high performance combination of highly effective extremely low-ash synthetic components to improve diesel fuel flow characteristic in extreme low temperature. Ensure cold start reliability and optimizing diesel engine performance during winter.

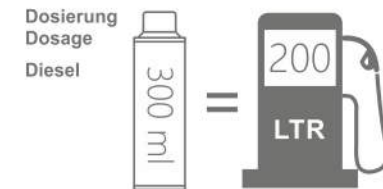
**Features**

- Extremely low-ash, EURO-6 ready.
- Ensure cold start reliability.
- Maintain diesel fuel flow stability.
- Reduce gel tendency during freezing temperature.
- Suitable to be mix to summer or winter diesel.

**Application Area**

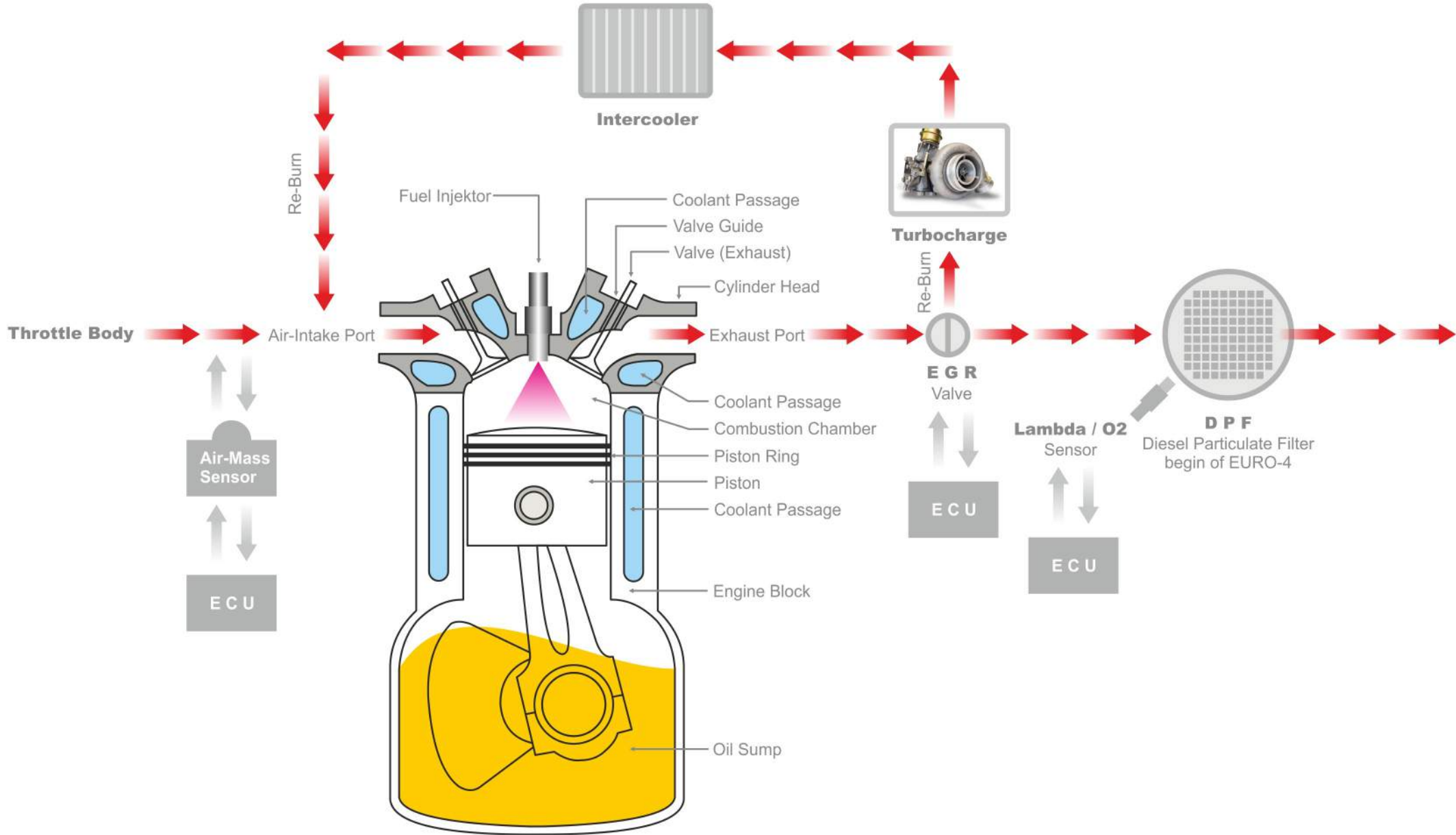
Diesel Common Rail Direct Injection (CRDI) and Pumpe-Düse system, EURO-6 ready.

**Usage Direction**



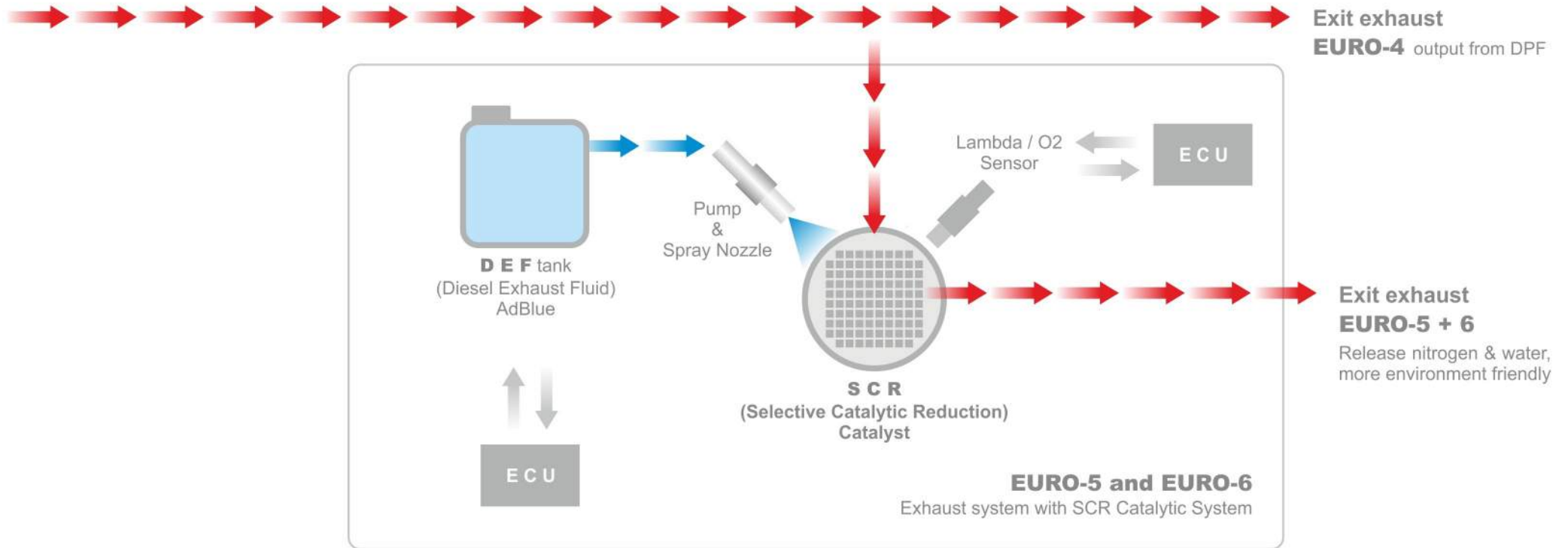
Fill at or above 0°C temperature prior diesel refueling. 1 bottle treat 200 litres diesel fuel. Working temperature:

Summer Diesel	Winter Diesel
<b>-18°C</b>	<b>-28°C</b>





DPF (Diesel Particles Filter)  
SCR (Selective Catalytic Reduction)  
EGR Valve (Exhaust Gas Recirculation Valve)



## E50 Motor-Schutz

Engine Protector  
Molybdenum-Complex  
EURO-6 Ready

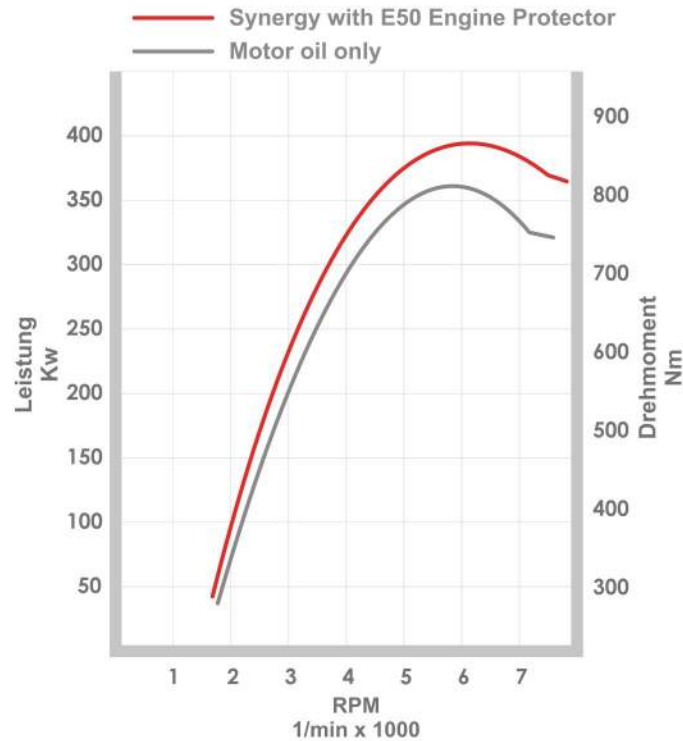


VOLTRONIC® E50 Motor-Schutz is high performance motor oil treatment base on Molybdenum-Complex. Specially developed for harsh driving condition of modern multi-cylinders and multi-valves gasoline and diesel engine with turbocharge or without.

### Features

- Improve motor oil reliability under harsh driving condition.
- Excellent wear protection.
- Improve motor oil shear stability.
- Improve fuel economy.
- Reduce emissions.
- Extremely low-ash, EURO-6 ready.
- Promote smooth running engine.

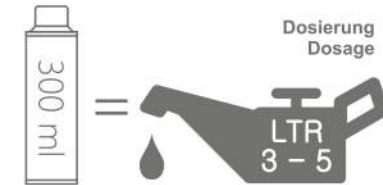
### Engine Dynamometer



### Application

For modern multi-cylinders and multi-valves, gasoline and diesel engines with turbocharge or without.

### Usage direction



1 bottle treat 3 to 5 litres motor oil. For racing application treat 7% max. of total motor oil weight.

### E55 Visco+ (Plus) - Oil Booster

Engine Protector  
 Viscosity Stabilizer Formula  
 EURO-6 Ready

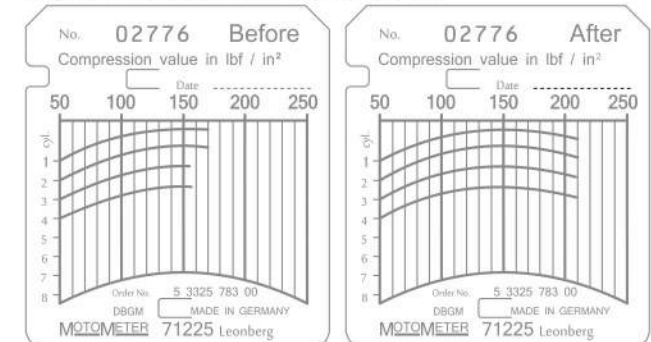


VOLTRONIC® E55 Visco+ (Oil Booster) is high performance motor oil treatment specially developed for modern multi-cylinders and multi-valves gasoline and diesel engines with turbocharge or without. Formulated with viscosity stabilizer to improve shear stability and motor oil reliability.

#### Features

- Improve motor oil reliability.
- Improve engine compression.
- Improve fuel economy.
- Reduce emissions.
- Promote smooth running engine.

Engine compression test before and after



#### Application

For modern multi-cylinders and multi-valves, gasoline and diesel engines with turbocharge or without.

#### Usage direction



1 bottle treat 3 to 5 litres motor oil.

**E59 Motor-Schutz**

Engine Protector  
Boron-Ceramic  
EURO-6 Ready

TÜV Certified Effectiveness

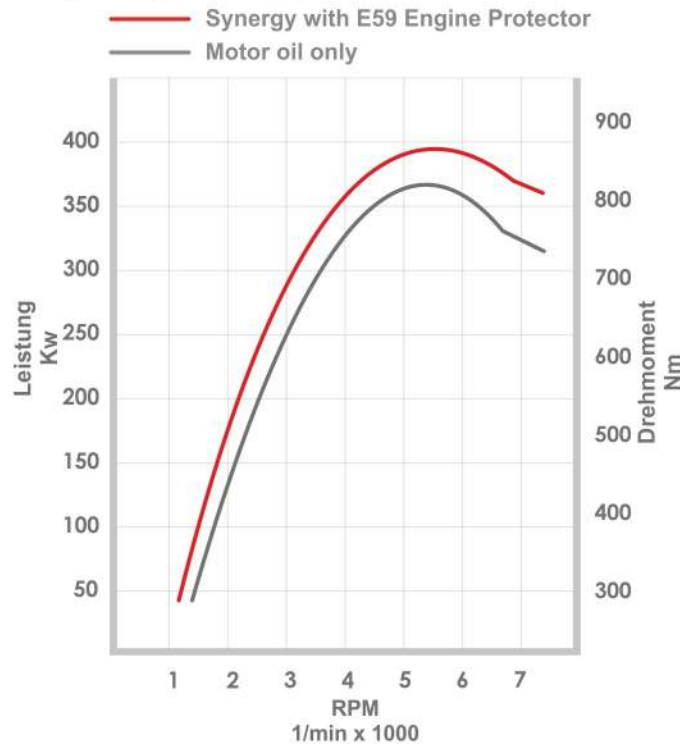


VOLTRONIC® E59 Engine Protector is high performance TÜV certified motor oil treatment base on Boron Ceramic nano technology. Specially developed for modern multi-cylinders and multi-valves fully tuned gasoline and diesel engines with turbocharge or without. Improve motor oil reliability, provide emergency running under critical condition.

**Features**

- Improve motor oil reliability.
- Improve motor oil shear stability.
- Improve heat dissipation.
- Provide emergency running under critical condition.
- Improve fuel economy.
- Reduce emissions.
- Extremely low-ash, EURO-6 ready.
- Promote smooth running engine.

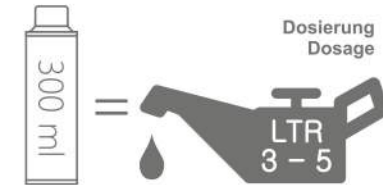
**Engine Dynamometer**



**Application**

For modern multi-cylinders and multi-valves, gasoline and diesel engines with turbocharge or without.

**Usage direction**



1 bottle treat 3 to 5 litres motor oil. For racing application treat 7% max. of total motor oil weight.

## E70 Oil Stop Leak

Immediate Effect  
Permanent Effect up to 100000 Km  
EURO-6 Ready



VOLTRONIC® E70 Oil Stop Leak is high performance motor oil additive to stop motor oil leakage internally and externally by regenerate hardened/worn/cracked seals. Immediate result in few hours drive and permanent seal effect up to 100,000 km. Save cost, avoid down time and restore safety factor. Suitable to all seal materials such as silicone, NBR, SNBR, AEM, ACM and FKM.

### Features

- Stop motor oil leakage internally and externally.
- Save cost, avoid down time and restore safety factor.
- Permanent effect up to 100000 km.
- EURO-6 ready.
- Suitable for all seals materials such as silicone, NBR, SNBR, AEM, ACM and FKM.

### Application

- Gasoline and diesel engines with turborcharge or without.
- Motor oil leakage, internal leakage (e.g. coolant leakage) and external leakage (e.g. cylinder head, crankcase).
- Manual transmission gearbox and trans-axle leakage.

### Usage direction



1 bottle treat 3 to 5 litres motor oil. For manual transmission gearbox and trans-axle use 5 to 7% dosage.

## AT10 Automatic-Transmission Flush

Suitable for all type Automatic Gearbox e.g. Steptronic and Sport-shift 4 5 6 7 8 9 speeds, DSG, DCG and CVT.



VOLTRONIC® AT10 Automatic-Transmission Flush is high performance automatic-gearbox flush for automatic-gearbox with torque converter or without. Removes dirt, sludge and breakdown particles from automatic-gearbox. Restore smooth gear change and comfort. Improve automatic-gearbox reliability and prevent automatic-gearbox from premature wear.

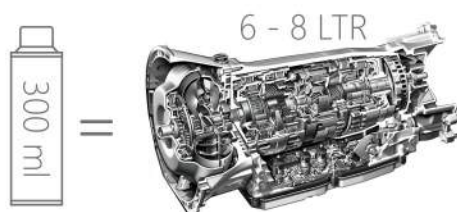
### Features

- Removes dirt, sludge and break down particles.
- Restore smooth gear change.
- Restore driving comfort.
- Improve automatic-gearbox reliability.
- Improve sport-shift and steptronic function.
- Improve fuel economy.
- Prevent automatic-gearbox from premature wear.

### Application

Suitable for all automatic-gearbox with torque converter or without, steptronic, sport-shift 4 5 6 7 8 9 speeds, DSG, DCG and CVT.

### Usage direction



- Add directly into automatic-gearbox prior change automatic-transmission-fluid.
- 1 bottle treat 6 to 8 litres automatic-transmission-fluid.
- Drive the vehicles approx. 15 to 20 minutes with engaging all gears (P R N D and Steptronic +/-).
- Drain and replace the automatic-transmission-fluid and filter.

When using automatic-transmission-fluid changer device, do the same method as mention above, with engaging all gears. This is due to let the cleaning agent flow through to all valves.

## AT20 Automatic-Transmission Protector

Suitable for all type Automatic Gearbox e.g. Steptronic and Sport-shift 4 5 6 7 8 9 speeds, DSG, DCG and CVT.



VOLTRONIC® AT20 Automatic-Transmission Protector is high performance automatic-gearbox protector for automatic-gearbox with torque converter or without. Maintain automatic-gearbox reliability and prevent from premature breakdown.

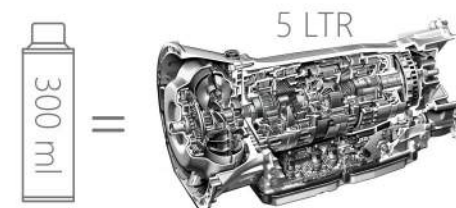
### Features

- Improve smooth gear change and comfort.
- Support automatic-transmission-fluid cleaning effect.
- Prevent automatic-gearbox from premature wear.

### Application

Suitable for all automatic-gearbox with torque converter or without, steptronic, sport-shift 4 5 6 7 8 9 speeds, DSG, DCG and CVT.

### Usage direction



1 bottle treat 5 litres automatic-transmission-fluid. Add directly into automatic-transmission gearbox.

## PS10 Power Steering Flush

Power Steering Flush  
Centralize Hydraulic System Flush



VOLTRONIC® PS10 Power Steering Flush is high performance power steering and centralize hydraulic system cleaner. Removes particles breakdown, dirt aggregate from aging power steering and centralize hydraulic fluid. Maintain power steering and centralize hydraulic system reliability and prevent them from premature wear.

### Features

- Remove particles breakdown, dirt aggregate and aging fluid.
- Maintain power steering and centralize hydraulic system reliability.
- Prevent from premature wear.
- Ensure longer service life.

### Application

Suitable for all type power steering and centralize hydraulic system.

### Usage direction

Add directly into power steering and centralize hydraulic system. Run engine idle and turn the steering wheel to the left and right intermittently for approximately 15 minutes. Drain and replace the fluid.

## PS20 Power Steering Protector

Power Steering Protector  
Centralize Hydraulic System Protector



VOLTRONIC® PS20 Power Steering Protector is high performance power steering and centralize hydraulic system protector fluid. Maintain power steering and centralize hydraulic system reliability and prevent them from premature wear.

### Features

- Maintain power steering and centralize hydraulic system reliability.
- Prevent from premature wear.
- Ensure longer service life.

### Application

Suitable for all type power steering and centralize hydraulic system.

### Usage direction

Add directly into power steering and centralize hydraulic system.

### R10 Radiator Flush

Complete cooling system cleaner  
Suitable for metal and plastic type radiator



VOLTRONIC® R10 Radiator Flush is high performance cooling system cleaner. Removes dirt aggregate, coolant-oil contamination, mud and lime stone from the system. Improves cooling system efficiency and reliability. Prevent from corrosion and premature damage.

#### Features

- Removes dirt aggregate, coolant-oil contamination, mud and lime stone.
- Improves cooling system efficiency and reliability.
- With corrosion inhibitor, prevent cooling system from corrosion and premature damage.
- Ensure longer service life.

#### Application

For all type of cooling system.

#### Usage direction



One bottle treat up to 12 litres cooling system fluid. Run engine idle approx. 15 minutes with throttle intermittently. Drain and replace cooling system fluid.

### R20 Radiator Stop Leak

Biodegradable  
Permanently Sealed  
Immediate result



VOLTRONIC® R20 Radiator Stop Leak is high performance biodegradable cooling system leak protection fluid. Seal cooling system leakage in immediate result. Permanently sealed, cost saving and prevent down time.

#### Features

- Biodegradable.
- Seal cooling system leakage in immediate result.
- Permanently sealed.
- Cost saving and prevent down time.

#### Application

For all type of cooling system.

#### Usage direction



One bottle treat up to 12 litres cooling system fluid.





## **M10 Anti-Seize Spray**

Aluminium fortified  
Water and salt proof  
Excellent corrosion protection

working temperature  
-60°C to +1200°C



VOLTRONIC® M10 Anti-Seize Spray is high performance aluminium fortified anti-seize spray. Specially designed for multipurpose heavy duty anti-seize application. Excellent corrosion protection (copper corrosion test 1A), water proof and salt proof. Wide range of working temperature from -60°C to +1200°C.

### **Features**

- Aluminium fortified.
- Heavy duty multi-purpose anti-seize.
- Wide range working temperature from -60°C to + 1200°C
- Excellent corrosion protection (copper corrosion test 1A).
- Water proof and salt water proof.
- Constantly stable and sturdy film at high pressure.

### **Application area**

- Brake noise elimination (brake piston and callipers).
- Lambda sensor, spark plugs, bolt, nuts, sleeves and etc. d
- Lubrication high temperature chain-conveyor.
- Industries, marines and heavy duty applications.
- Military spec. applications.

### **Packaging**

400 ml Aerosol

## **M20 Electronic and Multipurpose Lube Spray**

Biodegradable  
High dielectric strength  
Super penetrating agent  
Excellent corrosion protection  
Copper corrosion test 1A  
Water proof and salt water proof



VOLTRONIC® M20 Electronic and Multipurpose Lube Spray is high performance biodegradable electronic spray and multipurpose lube spray.

### **Features**

- Biodegradable.
- High dielectric strength, electronic safeguard prevent electronic disturbance.
- Provide good and stable electronic contact.
- Super penetrating agent.
- Excellent corrosion protection, copper corrosion test 1A.
- Water proof and salt water proof.
- High dielectric strength, excellent electronic safeguard.

### **Application area**

Automotive, industries, construction, marines, forestry, marines, hobbyist, military, household and etc.

### **Packaging**

400 ml Aerosol

Available also anti-seize paste in 5 grams tube packaging (M12) and 250 ml canister with brush (M15).



### M30 Cockpit Spray

For plastic, rubber, chrome and fabric  
 Anti-aging  
 Restore discoloration  
 Anti-static effect



VOLTRONIC® M30 Cockpit Spray is high performance interior protector spray. Protect plastic, rubber, chrome and fabric, prevent them from premature damage, dull and discoloration. Protect from UV radiation, revitalize and preserved color.

#### Features

- Anti-aging interior spray.
- Protect plastic, rubber, chrome and fabric.
- Restore and revitalize discoloration.
- Prevent plastic or rubber from crack.
- Lubricate seat belt mechanism.
- Deep color effect, non-oily, non-shiny.
- Anti-static effect, won't attract dirt or dust.
- Long lasting effect.

#### Application area

- Dashboard.
- Door panel.
- Seat belt.

#### Packaging

400 ml Aerosol

### M40 Rubber Spray

For all type of rubber parts  
 Anti-aging  
 Prevent from discoloration  
 Restore original colour depth  
 Restore flexibility property  
 Prevent from hardened and cracks



VOLTRONIC® M40 Rubber Spray is high performance rubber protector spray. Specially developed to maintain rubber parts from aging, hardened and cracks. Restore flexibility property and prevent from premature damage.

#### Features

- Anti aging rubber spray.
- Penetrate into rubber material naturally.
- Prevent rubber parts from aging, hardened and cracks.
- Restore flexibility property.
- Restore original colour depth.
- Prevent rubber from premature damage.
- Lubricate movements of rubber parts.
- Prevent rubber from freeze during winter.

#### Application area

- Window run channel.
- Weather strips.
- Rubber-plastic door hinges or mechanicals parts.
- Lubricate pneumatic cylinder rod of car or van tail gate.

#### Packaging

400 ml Aerosol

### M50 Adhesive Lube

Multipurpose lube spray  
 Heavy duty chain lube  
 Water proof and salt water proof  
 Won't attract dirt



VOLTRONIC® M50 Adhesive Lube is high performance multipurpose lubricating lube spray. Especially developed for heavy duty high speed chain lube of motorcycles as well for general mechanisms lubrication where water proof lubrication are required.

#### Features

- Excellent metal bonding.
- Super penetrating agent.
- Designed for heavy duty and high speed chain lube.
- Excellent anti corrosion protection.
- water proof and salt water proof.
- New non-tacky formula to prevent dirt attraction.

#### Application area

Heavy duty and high speed motorcycles chain lubrication, multipurpose lubrication and anti corrosion for automotive, industries, construction, mining, forestry, household, hobbyist & etc.

#### Packaging

400 ml Aerosol



## M66 Power Clean

Water based degreaser  
Biodegradable  
Non-acid  
Non-lye  
Non-foamy



VOLTRONIC® M66 Power Clean is high performance water based biodegradable degreaser and cleaner for environmentally conscious. Does not contain aggressive cleaner such as acid and lye and foams. Works safely on many application area. (dilution ratio to water): **Automotive** › Clean and degreasing engine bay (1:5), Clean transportation wax/coating for PDI center (1:2 to 1:5), Degrease wheel rims (1:5), car wash with water jet machine (1:100), remove grease and oil stain on workshop floor, tiles, toilet (1:5), clean dirt on carpet, plastic or vinyl interior (1:50), clean and wash tarpaulin and cabriolet cover (1:10), clean glass and interior (1:300) and etc. Observe cleaning time, e.g. some area take 5 to 10 minutes solving time depending on the dirt condition i.e. degreasing engine bay and wheel rims. If in doubt, check material compatibility in an inconspicuous area. **Household, swimming pool, sauna** › Clean kitchen floor, tiles, toilet, cooker hood (1:10), clean barbeque pit or grill (1:5), clean sauna pit (1:50), clean swimming pool, sauna and patio area (1:50), clean carpet, plastic, vinyl (1:50), clean glass, window, refrigerator and interior (1:300).

### Packaging (L)

1, 25 and 200 HDPE tank.

## M67 Windshield Washer Fluid

Concentrate  
Summer formula



VOLTRONIC® M67 Windshield Washer Concentrate is high performance summer formula windshield washer fluid for windshield washer systems in vehicles. Solve excellently residue-free and streak free of lots of contamination e.g. insects, road dust, bird drops, oily exhausts gas and etc. Formulated with special water based cleaners and surfactants, solvent free and environmental friendly.

### Application area

Windshield washer fluid systems in vehicles.

### Usage direction

1 bottle treat up to 4 litres washer fluid.



Packaging 40 ml HDPE bottle.

## M68 Rim Cleaner

Deep cleaning power



VOLTRONIC® M68 Rim Cleaner is high performance rim and wheel cleaner with deep cleaning power.

### Features

- Deep cleaning power.
- In some condition brushing is not necessary.

### Usage direction

Spray sufficient amount to wheel rim, allow to wait approx. 1 min. before rinse with water. In some condition brushing is not necessary.

### Packaging

500 ml HDPE bottle.

### **M70 Rubber and Plastic Protector Spray**

Kunststoff-Pflege  
Revive discolouration  
Anti-aging formula  
UV protection



VOLTRONIC® M70 Rubber and Plastic Protector is high performance water based anti-aging formula for rubber and plastic parts. Specially designed for outdoor formula with UV protection. Revive hardened and discolouration. Restore colour depth.

#### **Features**

- Special Anti-aging formula for outdoor.
- UV protection.
- Revive hardened and discolouration.
- Restore colour depth.

#### **Application area**

Vehicles rubber or plastic parts, bumper or side skirt. Also suit for outdoor furniture.

#### **Usage direction**

- Clean and dry surface before application.
- Spray and spread evenly with sponge.
- Apply 2 or 3 times might restore original color depth.

#### **Packaging (L)**

250 ml HDPE

### **M80 Ultra Gloss Polish**

3 in 1 formula  
Cutting-Polish-Wax in one step  
Ultra gloss  
Acrylic based protection



VOLTRONIC® 80 Ultra-Gloss Polish is high performance car detailing compound with acrylic based protection. With 3 in 1 formula, cutting-polish-wax in one action. Easy application, Suitable for hand or machine polish.

#### **Features**

- 3 in 1 formula, cutting-polish-wax in one action.
- With acrylic based protection.
- Suitable for hand or machine polish.
- Excellent glossy result.
- Long lasting effect.

#### **Usage Direction**

- Surface preparation, wash and dry.
- Clay the paint surface if necessary.
- For hand polish, apply with micro-fibre cloth.
- For machine polish, apply with correct pad.
- Suitable also for metal polish, e.g. chrome, silver and etc.

#### **Packaging**

250 ml HDPE

### **M82 Medium Polish**

Polish 1500 grade  
sandpaper to gloss



VOLTRONIC® 82 Medium Polish is high performance car detailing compound with ceramic based. Polish 1500 grade of sandpaper to gloss.

#### **Features**

- Ceramic based compound.
- Polish 1500 grade sandpaper to gloss.
- Remove water mark, bird drops mark, tree sap and etc.
- Polish and clean head light discolouration.
- Suitable also for metal polish e.g. chrome, silver and etc.

#### **Usage Direction**

- Surface preparation, wash and dry.
- Use machine polish with correct pad.

#### **Packaging**

250 ml HDPE

## M90 Leather Cleaner

Special Leather Cleaner  
Restore flexibility  
Preserve colour  
Deep cleaning effect



VOLTRONIC® M90 Leather Cleaner is high performance leather cleaner is specially designed for deep cleaning effect, restore flexibility and colour preservation. Prevent leather from premature discolouration and cracks.

### Features

- Special leather cleaner with gentle formula.
- Deep cleaning effect.
- Restore flexibility.
- Preserve colour.
- Prevent from premature discolouration and cracks.

### Application area

Steering leather, leather seat of car, motorbike, household, office, leather bag and etc.

### Usage direction

- Spray directly and spread completely with sponge.
- Allow to wait 1 minute before completely wipe clean.

### Packaging

250 ml HDPE

## M91 Leather Protector

Anti-aging formula  
Maintain flexibility  
UV protection  
Preserve colour  
Prevent premature cracks and discolouration.



VOLTRONIC® M91 Leather Protector is high performance leather protector with anti-aging and UV protection formula. Maintain flexibility, preserve colour and prevent from premature cracks.

### Features

- With anti-aging and UV protection formula.
- Maintain flexibility.
- Preserve colour.
- Prevent from premature discolouration.
- Prevent from premature cracks.

### Application area

Steering leather, leather seat of car, motorbike, household, office, leather bag and etc.

### Usage direction

- Clean leather with VOLTRONIC® M90 Leather Cleaner.
- Allow to dry before applying M91 Leather Protector.
- Use sponge for larger application area.

### Packaging

250 ml HDPE

## AC20 Air-Condition Cleaner Foam

Highly effective  
Removes internal dirt  
Eliminate bad odour  
Improves efficiency



VOLTRONIC® AC20 Air-condition Cleaner Foam is high performance highly effective air-condition cleaner foam. Removes dirt, eliminate bad odour (eg. nicotine), germs, molds and bacteria. Improves air-condition efficiency and reduce energy consumption.

### Features

- Highly effective.
- Removes internal dirt.
- Eliminate bad odour, germs, molds and bacteria.
- Improves air-condition efficiency.
- Reduce energy consumption.
- Long lasting effect.

### Usage Direction

- Switch off engine.
- Removes cabin and pollen filter.
- Spray the foam into air-condition evaporator unit.
- Allow to wait around 30 minutes until all the foam completely meltdown.

### Packaging

400 ml Aerosol

## **AC21 Air-Condition Cleaner and Disinfectant**

Highly effective  
Eliminate bad odour  
Eliminate molds, germs and bacteria



VOLTRONIC® AC 21 Air-condition Cleaner and Disinfectant is high performance highly effective air-condition cleaner and disinfectant. Eliminates bad odour e.g. nicotine, rotten egg smell (passed test) and eliminates molds, germs and bacteria.

### **Features**

- Highly effective.
- Eliminate bad odors e.g. nicotine and rotten egg smells (tested in laboratory).
- Eliminate molds, germs and bacteria.

### **Application area**

Evaporator of air-condition or heat exchanger of vehicles, houses, office, clinic, hospital and etc. Also works effectively by spray directly to cabin, rooms, carpets, garbage bins and etc.

### **Usage direction**

- Removes available cabin or pollen filters
- Turn air-condition in AC-OFF mode, circulation ON and high fan speed.
- Spray to the air intake suction of air-condition.
- Spray some also to the vehicles carpet, fabric roof, seat belts and seats.

Also works effectively by directly spray to child room, bed, carpet, garbage bins and etc.

### **Packaging**

400 ml Aerosol

## **AC22 Air-Condition Cleaner and Disinfectant**

Trigger-lock release  
Highly effective  
Eliminate bad odour  
Eliminate molds, germs and bacteria



VOLTRONIC® AC 22 Air-condition Cleaner and Disinfectant is high performance highly effective air-condition cleaner and disinfectant with trigger-lock release. Eliminates bad odour e.g. nicotine, rotten egg smell (test passed) and eliminates molds, germs and bacteria.

### **Features**

- Trigger-lock release.
- Highly effective.
- Eliminate bad odors e.g. nicotine and rotten egg smells (tested in laboratory).
- Eliminate molds, germs and bacteria.

### **Application area**

Evaporator of air-condition or heat exchanger of vehicles, houses, office, clinic, hospital and etc.

### **Usage direction**

- Removes available cabin or pollen filters
- Turn air-condition in AC-OFF mode, circulation ON and high fan speed.
- Release and aim to the air intake suction of air-condition.

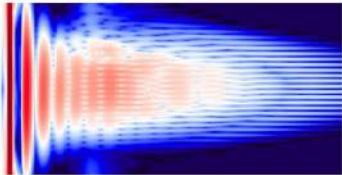
### **Packaging**

150 ml Aerosol with trigger-lock release



### **E60 Throttle Body Cleaner**

Improves air-fuel (A/F) ratio  
 Improves engine performances  
 Improves fuel economy  
 Promote smooth running engine



VOLTRONIC® E60 Throttle Body Cleaner is high performance throttle body cleaner. Improve combustion quality by improving air-fuel (A/F). Improves engine performances, fuel economy, and reduce emissions. Promote smooth running engine.

#### **Features**

- Improves air-fuel (A/F) ratio.
- Improves combustion quality.
- Improves engine performances.
- Improves fuel economy.
- Reduce emissions.
- Promote smooth running engine.

#### **Packaging**

400 ml Aerosol

### **T50 Tire Foam**

Restore and preserve natural colour  
 Water-proof coating  
 Long lasting protection



VOLTRONIC® T50 Tire Foam is high performance tire surface protection spray based on synthetic material. Restore preserve natural colour. Instant application, no wiping or brushing required. Excellent water-proof coating and long lasting protection.

#### **Features**

- Restore and preserve natural colour.
- Excellent water-proof.
- Long lasting protection.

#### **Packaging**

400 ml Aerosol

### **GP10 Rainmaster**

Windshield protection  
 Excellent water repellent  
 Improves visibility  
 Long lasting protection  
 Nano-technology



VOLTRONIC® GP10 Rainmaster is high performance water repellent windshield protection based on nano-technology. Repel water and ice sleet, improves driving visibility. Excellent bonding, long lasting protection.

#### **Features**

- Nano-technology water repellent.
- Repel water and ice sleet.
- Improves visibility.

#### **Application area**

- Vehicle windshield, glass roof and windows.
- Helmet.

#### **Packaging**

250 ml HDPE

## **UBS B Undercoat**

Fast drying  
Good adhesion  
Heavy duty coat  
Water and salt proof  
Gravel protection  
Excellent sound damper  
Drip free  
Friendly odour



VOLTRONIC® UBS B is a high performance durable, thixotropic, fast drying anti-corrosion coating based on bitumen. The product has excellent sound damper effects and offers a durable protection to the chassis of for instance cars, trucks and coaches. After drying remains a tough, adhesive film resistant against various climates and gravel. VOLTRONIC® UBS B is the airless version which can be applied drip free, even in thick layers.

**Features** ▪ Fast drying. ▪ Good adhesion. ▪ Heavy duty coating. ▪ Water and salt proof. ▪ Gravel protection. ▪ Excellent sound damper. ▪ Drip free

**Application area** UBS B is applied as an anti corrosion protection for instance for chassis, wheel-housings and side-skirts of cars, trucks and coaches in: ▪ Automotive industry. ▪ Coach work industry. ▪ Camper & caravan industry, it can be applied on plywood as well. ▪ Garages, workshops. ▪ Body repair shops. ▪ Do-it-yourself. ▪ Bus, coach. ▪ Construction carriage and container.

**Usage Direction** Shake before use. The surfaces to be treated must be clean, dry, rust-dust- and grease free. UBS B can be applied with light airless equipment, but also by means of an air-line fed gun with an air-pressure of 3-6 bar. Optimum spraying distance is about 30 cm. Depending on the application the product can be thinned with white spirits. Spray the surface with UBS B until the desired layer thickness is reached. If thicker layers are wanted, it is to be recommended to dry the layers in between. The product can be sprayed haze free without any cob webbing and does not drip. Contaminated surfaces and filthy equipment can be simply cleaned in "fresh" condition with white spirits. UBS B can be applied by airless spray equipment, air-pressure 20:1 or 45:1, nozzle 0,018 or 0,021 inch. The Thixotropic product can be applied, without dripping in very thick layers. If very thick layers are wanted, it is to be recommended to dry the layers in between.

### **Packaging**

1 Litre metal canister with special air-tight cone to fit into air gun.

## **UBS R Undercoat**

Over paintable  
Fast drying  
Good adhesion  
Heavy duty coating  
Water and salt proof  
Gravel protection  
Excellent sound damper  
Drip free



VOLTRONIC® UBS R is high performance over paintable stones chip coatings with excellent anti-corrosion and sound damper properties based on rubber and resins. After drying, the coatings are over paintable with most commonly used paint systems. After these products have completely dried, a durable elastic film remains. These products offer good protection against various climates and gravel.

**Features** ▪ Over paintable. ▪ Fast drying. ▪ Good adhesion. ▪ Heavy duty coating. ▪ Water and salt proof ▪ Gravel protection. ▪ Excellent Sound damper. ▪ Drip free.

**Applications** UBS R coating can be applied as stone chip and anti-corrosion coating on bumpers, front and rear aprons, doorsills and chassis of for instance cars, trucks and coaches. UBS R is also applied as a sound damper product in wheel-housings and on the chassis of cars, trucks and coaches. The products can further be used for universal anti corrosion and stone chip applications in: ▪ Automotive industry. ▪ Bus & coach industry. ▪ Construction trailer. ▪ Garages, workshops. ▪ Body repair shops.

**Usage Direction** Shake before use or stir the product thoroughly. The surfaces to be treated should be clean, dry, rust-, dust- and grease free. It is always advisable to perform an adhesion test on the materials involved. It can be applied by means of an air-mix pistol with an air-pressure of 3 to 6 bar. These products can be over-painted (depending on the layer thickness, temperature and humidity), after about 60 to 90 minutes, with most of the commonly used conventional 2K- and base coat lacquers. When a 2K-lacquer is used, we recommend to first use a layer of primer following the recommendations of the paint supplier and to paint over after this layer has completely dried. If thicker layers are wanted, it is recommended to dry the layers in between. Optimum spraying distance is about 30 cm. The product can be sprayed haze free without any cob webbing and does not drip. Contaminated surfaces and filthy equipment can be simply cleaned in "fresh" condition with solvents. The product may not be stored under +10°C and above +30°C the packaging must be protected from direct sunlight and heat. Cool and moisture free stored the product is tenable for a maximum of 2 years in the unopened original packaging.

### **Packaging**

1 Litre metal canister with special air-tight cone to fit into air gun.

Aluminium Complex	Bentonite-MoS2 non-melting grease	Calcium-Sulphonate Complex	Calcium Soap
<p>Aluminium Complex NLGI-2 DIN 51502 KHL1R and KHL2R Working temp. -25°C to 150°C Dropping temp. 230°C</p>	<p>Bentonite-MoS2 NLGI-2 non-melting grease DIN 51502 K2N-30 ISO 6743 ISO-L-XCDA2 Working temp. -30°C to 200°C Dropping point &gt;300°C</p>	<p>Ca-S Complex 2 Ca-S Complex 2 DW Ca-S Marine NLGI 1-2 Ca-S Marine Adhesive NLGI 0 Ca-S Marine HT NLGI 1-2</p>	<p>Ca 2 Ca Syn 2</p>
Ecogrease Biodegradable grease	Lithium Complex	Lithium Soap	Sodium Soap
<p>Ecogrease Li-Ca Ester 0 Ecogrease Ca-Ester 2 Ecogrease Li-Ester 2 Ecogrease Li-Ester 00 Ecogrease Ca-R 2 with rapeseed oil</p>	<p>Li-Comp Syn 2 Li-Comp Syn 000 Li-Comp Syn 00 Li-Comp Syn 0 Li-Comp 2 Blue Li-Comp 3 Blue Li-Comp NLGI 2 HT Li-Comp NLGI 1 HT Li-Comp 2 HT Blue</p>	<p>LS 0 LS 283 LS W CLA 00 LS MO 2 LSU 2 LS 2 EP+ LS 2 EP LS 3 EP LS 1 EP LS CENTRAL LS FM 2</p>	<p>S 2 S N 0 EP SN 00 EP</p>

## VOLTRONIC® Grease

### Bentonite-MoS2 NLGI 2 Grease

DIN 51502 K2N-30  
ISO 6743 ISO-L-XCDA2

High temperature application  
Multi-speed application  
Non-melting grease



VOLTRONIC® Bentonite-MoS2 NLGI 2 grease is high performance non-melting grease specially developed for high temperature, high speed as well low speed application.

#### Typical characteristic

Grease classification	: DIN 51502 K2N-30 ISO 6743 ISO-L-XCDA2
NLGI class DIN 51818	: 2
Appearance	: Smooth, dark grey
Base oil viscosity at 40°C DIN 51562 (mm <sup>2</sup> /s)	: 460
Operating temperature (°C)	: -30 to 200
Drop point DIN/ISO 2176 (°C)	: >300

#### Application

Multipurpose grease for high temperature, high speed and low speed where need critical dry lubricity e.g. car wheel bearing, rolling mill, furnace door hinge, furnace conveyor, steam control valve, trunnion bearing and etc. Smooth texture suitable for centralized lubrication system.

#### Packaging (Kg)

0.4, 1, 5, 18, 25, 50, 180.

### Ca-S Complex NLGI 2 Grease

DIN 51825 K P 2 N-20  
ISO-L-XBDIB 2 ISO/DIS 6743-9

Calcium Sulphonate Complex  
High thermal application  
Heavy load application  
Excellent corrosion protection  
Water resistant  
Steam resistant



VOLTRONIC® Ca-S Complex 2 grease is high performance Calcium Sulphonate Complex grease specially developed for high thermal and heavy load roller and slide bearings under wet environment. Offers excellent corrosion protection, water resistant and steam resistant.

#### Typical characteristic

Grease classification	: DIN 51825 K P 2 N-20 ISO-L-XBDIB 2 ISO/DIS 6743-9
NLGI class DIN 51818	: 2
Appearance	: Brownish
Base oil viscosity at 40°C DIN 51562 (mm <sup>2</sup> /s)	: 180
Oil separation DIN 51817 (%)	: 1.0
Flow pressure DIN 51805 at -25°C (hPa)	: 1150
Operating temperature (°C)	: -25 to 140
Drop point DIN/ISO 2176 (°C)	: 280
VKA welding load DIN 51350 T4 (N)	: 5000
EMCOR corrosion test DIN 51802 (3% NaCl)	: 0/0
Oxidation resistance 100°C/100h DIN 51808	: 0.2 bar
Worked penetration 0.1 mm, 60 double strokes DIN/ISO 2137	: 280
Worked penetration 0.1 mm, 60000 double strokes DIN/ISO 2137	: 300
Water resistance DIN 51807 T1	: 0
Water content DIN 51777 T1 (%)	: <0.1

**Application** High thermal and heavy load roller and slide bearings under wet environment. Offers excellent corrosion protection, water resistant and steam resistant.

#### Packaging (Kg)

0.4, 1, 5, 18, 25, 50, 180.

## Ca-S Complex NLGI 2 DW Grease

DIN 51825 KPF 2 N-30  
ISO/DIS 6743-9 ISO-L-XCDHB 2

Calcium Sulphonate Complex  
High thermal application  
High load application  
Wet and dusty adaptation



VOLTRONIC® Calcium Sulphonate Ca-S Complex 2 DW grease is high performance grease specially developed for high thermal and heavy load lubrication roller and slide bearings under wet and dusty environments e.g. steel mill, cement mill, marine, mining, construction and forestry machineries and equipments.

### Typical characteristic

Grease classification	: DIN 51825 KPF 2 N-30 ISO/DIS 6743-9 ISO-L-XCDHB 2
NLGI class DIN 51818	: 2
Appearance	: Black
Base oil viscosity at 40°C DIN 51562 (mm <sup>2</sup> /s)	: 150
Flow pressure DIN 51805 at -30°C (hPa)	: 1200
Operating temperature (°C)	: -30 to 150
Drop point DIN/ISO 2176 (°C)	: 250
VKA welding load DIN 51350 T4 (N)	: 6000
EMCOR corrosion test DIN 51802	: 1/1
Copper corrosion test 24°C/100h DIN 51811	: 1
Oxidation resistance 100°C/100h DIN 51808	: 0.3 bar
Worked penetration 0.1 mm, 60 double strokes DIN/ISO 2137	: 280
Worked penetration 0.1 mm, 60000 double strokes DIN/ISO 2137	: 330
Water resistance DIN 51807 T1	: 1
Water content DIN 51777 T1 (%)	: <0.2

**Application** For high thermal and heavy load lubrication roller and slide bearings under wet and dusty environments e.g. steel mill, cement mill, marine, mining, construction and forestry machineries and equipments.

### Packaging (Kg)

0.4, 1, 5, 18, 25, 50, 180.

## Ca-S Marine NLGI 1 or 2 Grease

DIN 51502 KP1R-25 / KP2R-25  
ISO/DIS 6743-9 ISO-L-XBFIB 1/2

Calcium Sulphonate Complex  
High thermal application  
High load application  
Wet and dusty adaptation



VOLTRONIC® Ca-Marine NLGI 1 or NLGI 2 grease is high performance multipurpose EP-grease specially developed for heavy duty high thermal and high load lubrication roller and slide bearing where operating under wet and dusty environments e.g. marine, offshore, off-road, industrial and construction.

### Typical characteristic

Grease classification	: DIN 51502 KP1R-25 / KP2R-25 ISO/DIS 6743-9 ISO-L-XBFIB 1/2
NLGI class DIN 51818	: 1/2
Appearance	: Black
Operating temperature (°C)	: -25 to 180

**Application** Marine, offshore, offroad, industrial and construction equipments.

### Packaging (Kg)

0.4, 1, 5, 18, 25, 50, 180.

## VOLTRONIC® Grease

### Ca-S Marine Adhesive NLGI 0 Grease

DIN 51502 OGPON-25  
ISO/DIS 6743-9 ISO-L-XBDIB 0

Calcium Sulphonate Complex  
Special Marine application  
Super adhesive to metal  
Corrosion protection  
Water repellent



VOLTRONIC® Ca-S Marine Adhesive NLGI 0 grease is high performance Calcium Sulphonate Complex grease specially developed with super adhesive to metal behavior, high EP and corrosion inhibitor. Special grease for marine, offshore, off-road industrial chain, wire rope, metal cable, sliding rail and open gear lubrication. Excellent adhesive to metal behavior, outstanding corrosion protection and good water repellent.

#### Typical characteristic

Grease classification : DIN 51502 OGPON-25  
ISO/DIS 6743-9 ISO-L-XBDIB 0

NLGI class DIN 51818 : 0

Appearance : Brownish

Operating temperature (°C) : -25 to 150

#### Application

Marine, off-shore, off-road and industrial chain, wire rope, metal cable, sliding rail, and open gear lubrication. Available also in NLGI 1.

#### Packaging (Kg)

25, 50, 180.

### Ca-S Marine HT NLGI 1-2 Grease

DIN 51502 KP1R-25 and KP2R-25  
ISO/DIS 6743-9 ISO-L-XBFHB 1/2

Calcium Sulphonate Complex  
High temperature application  
High load application  
Wet and dusty adaptation



VOLTRONIC® Ca-S Marine HT NLGI 1 and 2 grease is high performance Calcium Sulphonate Complex grease specially developed for heavy loaded and high operating temperature roller and slide bearings in wet and dusty environment e.g. steel mill, cement mill, marine equipment, off-road and construction equipments.

#### Typical characteristic

Grease classification : DIN 51502 KP1R-25 and KP2R-25  
ISO/DIS 6743-9 ISO-L-XBFHB 1/2

NLGI class DIN 51818 : 1 and 2

Appearance : Dark brown

Operating temperature (°C) : -25 to 180

#### Application

Heavy loaded and high operating temperature roller and slide bearings Special grease for wet and dusty environment e.g. steel mill, cement mill, marine equipment, off-road and construction equipments.

#### Packaging (Kg)

0.4, 1, 5, 18, 25, 50, 180.

## Ca 2 Calcium Soap NLGI 2 Grease

DIN 51825 K 2 C-40  
ISO-L-XDAHA 2 ISO/DIS 6743-9

Calcium Soap  
Super low temperature application  
Corrosion resistant  
Water resistant



VOLTRONIC® Ca 2 Calcium Soap NLGI 2 grease is high performance lubricating grease specially developed for low temperature lubrication. Excellent water resistant and outstanding corrosion protection.

### Typical characteristic

Grease classification	: DIN 51825 K 2 C-40 ISO-L-XDAHA 2 ISO/DIS 6743-9
NLGI class DIN 51818	: 2
Appearance	: Brown, smooth
Base oil viscosity at 40°C DIN 51562 (mm <sup>2</sup> /s)	: 36
Flow pressure DIN 51805 at -40°C (hPa)	: 1000
Operating temperature (°C)	: -40 to 60
Drop point DIN/ISO 2176 (°C)	: >90
EMCOR corrosion test DIN 51802	: 0/0
Worked penetration 0.1 mm, 60 double strokes DIN/ISO 2137	: 280
Water resistance DIN 51807 T1	: 0
Water content DIN 51777 T1 (%)	: 0.5

### Application

Special super low temperature multipurpose grease. Excellent water resistant and outstanding corrosion protection. Smooth texture suitable for centralized lubrication system.

### Packaging (Kg)

0.4, 1, 5, 18, 25, 50, 180.

## Ca-S Syn 2 Calcium Soap NLGI 2 Grease

Calcium Soap  
Super adhesion to metal  
Shock-proof  
Salt-proof  
high humidity adaptation



VOLTRONIC® Ca-Syn 2 Calcium Soap NLGI 2 grease is high performance lubricating grease specially developed for super adhesion to metal, shock-proof and salt-proof. Suitable for continuous lubrication under wet and high humidity environments.

### Typical characteristic

NLGI class DIN 51818	: 2
Appearance	: Green fluorescent
Base oil viscosity at 40°C DIN 51562 (mm <sup>2</sup> /s)	: 1000
Operating temperature (°C)	: -30 to 110
Drop point DIN/ISO 2176 (°C)	: 140
VKA welding load DIN 51350 T4 (N)	: 2200
Worked penetration 0.1 mm, 60000 double strokes DIN/ISO 2137	: 300
Water resistance DIN 51807 T1	: 0

### Application

Multipurpose grease lubrication for wet and high humidity environment. Strong adhesion to metal, shock proof and salt proof.

### Packaging (Kg)

0.4, 1, 5, 18, 25, 50, 180.

## VOLTRONIC® Grease

### Ecogrease Ca-Ester NLGI 2

DIN 51825 K 2 G-30  
ISO/DIS 6743-9 ISO-L-XCBHA 2

Calcium Complex  
Ester based oil  
Biodegradable  
Corrosion resistant  
Water resistant



VOLTRONIC® Ecogrease Ca-Ester 2 is high performance biodegradable Calcium soap grease with Ester base oil. Specially developed for all lubrication point with total loss lubrication. Due to its excellent super low temperature characteristic the product also use as wetting agent grease. Work stable, corrosion resistant and water resistant.

#### Typical characteristic

Grease classification	: DIN 51825 K 2 G-30 ISO/DIS 6743-9 ISO-L-XCBHA 2
NLGI class DIN 51818	: 2
Appearance	: Smooth, yellowish
Base oil viscosity at 40°C DIN 51562 (mm <sup>2</sup> /s)	: 46
Flow pressure DIN 51805 at -35°C (hPa)	: 1200
Operating temperature (°C)	: -35 to 100
Drop point DIN/ISO 2176 (°C)	: >130
EMCOR corrosion test DIN 51802	: 0/0
Oxidation resistance 100°C/100h DIN 51808 (Bar)	: 0.2
Worked penetration 0.1 mm, 60 double strokes DIN/ISO 2137	: 280
Worked penetration 0.1 mm, 60000 double strokes DIN/ISO 2137	: 290
Water resistance DIN 51807 T1	: 0
Water content DIN 51777 T1 (%)	: <0.2
Biodegradability CEC L-33-A-94 after 21 days (%)	: 94

**Application** Special Biodegradable grease for super low temperature application of total loss lubrication point. Use as wetting agent grease, work stable, corrosion and water resistant. Smooth texture suitable for centralize lubrication system. Applicable for machinery and equipment lubrication for automotive, industry, off-road, construction, forestry, mining, marine, off-shore and etc. where biodegradable grease is strictly required.

#### Packaging (Kg)

0.4, 1, 5, 18, 25, 50, 180.

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### Ecogrease Li-Ca Ester NLGI 0

Biodegradable  
Lithium-Calcium Complex  
Ester based oil  
Biodegradable



VOLTRONIC® Ecogrease Li-Ca Ester 0 is high performance biodegradable Lithium-Calcium grease with Ester based oil. Special developed smooth texture suitable for centralize lubrication system.

#### Typical characteristic

NLGI class DIN 51818	: 0
Appearance	: Smooth, beige
Base oil viscosity @40°C DIN 51562 (mm <sup>2</sup> /s)	: 300
Operating temperature (°C)	: -40 to 120
VKA welding load DIN 51350 T4 (N)	: 3400
Copper Corrosion test 24h/100°C DIN/ISO 2137	: 2
EMCOR corrosion test DIN 51802	: 0/0
Water resistance DIN 51807 T1	: 1

**Application** Multipurpose lubrication for bearing and friction moving parts for bus, truck, stationary equipments in mining, forestry, where strictly need biodegradable ready grease. Suitable for centralize lubrication system.

#### Packaging (Kg)

25, 50, 180.



## Ecogrease Li-Ester 2 NLGI 2 Grease

DIN 51825 K 2 K-30  
ISO/DIS 6743-9 ISO-L-XCCHA 2

Lithium Soap  
Ester based oil  
Biodegradable  
Water resistant  
Corrosion protection  
Oxidation resistant



VOLTRONIC® Ecogrease Li-Ester 2 is high performance biodegradable Lithium soap grease with Ester base oil. Excellent chemical and mechanical stability, applicable for wide temperature range in roller and slide bearings for lifetime lubrication. Smooth texture suitable for wheel hub grease as well as centralize lubrication system with multi channel progressive distributors. Work stable, water resistant, oxidation resistant and corrosion resistant.

### Typical characteristic

Grease classification	: DIN 51825 K 2 K-30 ISO/DIS 6743-9 ISO-L-XCCHA 2
NLGI class DIN 51818	: 2
Appearance	: Smooth, brownish
Base oil viscosity at 40°C DIN 51562 (mm <sup>2</sup> /s)	: 68
Flow pressure DIN 51805 at -35°C (hPa)	: 500
Operating temperature (°C)	: -35 to 130
Drop point DIN/ISO 2176 (°C)	: >190
EMCOR corrosion test DIN 51802	: 0/0
Oxidation resistance 100°C/100h DIN 51808 (Bar)	: 0.2
VKA welding load DIN 51350 T4 (N)	: 2000
Worked penetration 0.1 mm, 60 double strokes DIN/ISO 2137	: 280
Worked penetration 0.1 mm, 60000 double strokes DIN/ISO 2137	: 300
Water resistance DIN 51807 T1	: 1
Water content DIN 51777 T1 (%)	: <0.1
Biodegradability CEC L-33-A-94 after 21 days (%)	: 80

**Application** Special grease for machinery and equipment lubrication for automotive, industry, off-road, construction, forestry, mining, marine, off-shore and etc. where biodegradable grease is strictly required.

### Packaging (Kg)

0.4, 1, 5, 18, 25, 50, 180.

## Ecogrease Li-Ester 00 NLGI 00 Grease

DIN 51826 GP 00 K-30  
ISO/DIS 6743-9 ISO-L-XCCHB 00

Lithium Soap  
Ester based oil  
Biodegradable  
Water resistant  
Corrosion protection  
Oxidation resistant



VOLTRONIC® Ecogrease Li-Ester 00 is high performance biodegradable Lithium soap grease with Ester base oil. Specially developed for gear lubrication and centralize lubrication system with multiple channel progressive distributor. Work stable, water resistant, oxidation resistant and corrosion resistant.

### Typical characteristic

Grease classification	: DIN 51826 GP 00 K-30 ISO/DIS 6743-9 ISO-L-XCCHB 00
NLGI class DIN 51818	: 00
Appearance	: Smooth, light green
Base oil viscosity at 40°C DIN 51562 (mm <sup>2</sup> /s)	: 53
Flow pressure DIN 51805 at -35°C (hPa)	: 60
Operating temperature (°C)	: -30 to 130
Drop point DIN/ISO 2176 (°C)	: 180
EMCOR corrosion test DIN 51802	: 0/0
Oxidation resistance 100°C/100h DIN 51808 (Bar)	: 0.2
VKA welding load DIN 51350 T4 (N)	: 2400
Worked penetration 0.1 mm, 60 double strokes DIN/ISO 2137	: 420
Worked penetration 0.1 mm, 60000 double strokes DIN/ISO 2137	: 430
Water resistance DIN 51807 T1	: 1
Water content DIN 51777 T1 (%)	: <0.1
Elastomer SRE-NBR 34 100°C/7d hardness change (Sha)	: -3 DIN 53505
Elastomer SRE-NBR 34 100°C/7d volume change (%)	: +8.5 DIN/ISO 1817
Biodegradability CEC L-33-A-94 after 21 days (%)	: 83

**Application** Special grease for machineries and equipments lubrication for automotive, industry, off-road, construction, forestry, mining, marine, off-shore and etc. where biodegradable grease is strictly required.

### Packaging (Kg)

25, 50, 180.

## VOLTRONIC® Grease

### Ecogrease Ca-R 2 NLGI 2

DIN 51825 K 2 E-20  
ISO/DIS 6743-9 ISO-L-XBAHA 2

Biodegradable  
Calcium saponified  
With rapeseed oil  
Water resistant  
Corrosion resistant



VOLTRONIC® Ecogrease Ca-R 2 is high performance biodegradable Calcium saponified grease with rapeseed oil. Specially developed for continues lubrication in watery area e.g. agriculture and forestry vehicles, machineries and equipments. Work stable, excellent wear protection, water resistant and corrosion resistant.

#### Typical characteristic

Grease classification	: DIN 51825 K 2 E-20 ISO/DIS 6743-9 ISO-L-XBAHA 2
NLGI class DIN 51818	: 2
Appearance	: Smooth, yellowish
Base oil viscosity at 40°C DIN 51562 (mm <sup>2</sup> /s)	: 36
Flow pressure DIN 51805 at -20°C (hPa)	: 400
Operating temperature (°C)	: -20 to 80
Drop point DIN/ISO 2176 (°C)	: >130
EMCOR corrosion test DIN 51802	: 0/0
Oxidation resistance 100°C/100h DIN 51808 (Bar)	: 0.8
Worked penetration 0.1 mm, 60 double strokes DIN/ISO 2137	: 280
Worked penetration 0.1 mm, 60000 double strokes DIN/ISO 2137	: 300
Water resistance DIN 51807 T1	: 0
Water content DIN 51777 T1 (%)	: <0.2
Biodegradability CEC L-33-A-94 after 21 days (%)	: 96

**Application** Special biodegradable grease for continues operation in watery field, e.g. agriculture and forestry vehicles, machinery and equipments.

#### Packaging (Kg)

0.4, 1, 5, 18, 25, 50, 180.

### Lithium Complex Li-Comp Syn 2 NLGI 2 Grease

DIN 51825 KP 2 P-30  
ISO/DIS 6743-9 ISO-L-XCEHB 2

Lithium Complex  
High temperature application  
EP grease  
Water resistant  
Corrosion resistant  
Oxidation resistant



VOLTRONIC® Li-Comp Syn 2 is high performance Lithium Complex grease with synthetic oil. Specially developed for lubrication of mechanically and thermally extreme-loaded roller and slide bearings, e.g. wheel hubs and release couplings. Work stable, excellent wear protection, extreme pressure absorption, water resistant, corrosion and oxidation resistant.

#### Typical characteristic

Grease classification	: DIN 51825 KP 2 P-30 ISO/DIS 6743-9 ISO-L-XCEHB 2
NLGI class DIN 51818	: 2
Appearance	: Yellow
Base oil viscosity at 40°C DIN 51562 (mm <sup>2</sup> /s)	: 130
Oil separation DIN 51817 (%)	: 2.5
Flow pressure DIN 51805 at -30°C (hPa)	: 600
Operating temperature (°C)	: -35 to 160
Drop point DIN/ISO 2176 (°C)	: >220
VKA welding load DIN 51350 T4 (N)	: 4000
EMCOR corrosion test DIN 51802	: 0/0
Oxidation resistance 100°C/100h DIN 51808 (bar)	: 0.2
Worked penetration 0.1 mm, 60 double strokes DIN/ISO 2137	: 280
Worked penetration 0.1 mm, 60000 double strokes DIN/ISO 2137	: 300
Water resistance DIN 51807 T1	: 1
Water content DIN 51777 T1 (%)	: <0.1

Special lubricating grease for mechanically and thermally extreme-loaded roller and slide bearings, e.g. wheel hubs and release coupling. Excellent wear protection and EP absorption. Expect prolong lubrication interval and reduce grease consumption.

#### Packaging (Kg)

0.4, 1, 5, 18, 25, 50, 180.