

EMERGENCY RESPONSE SOLUTIONS





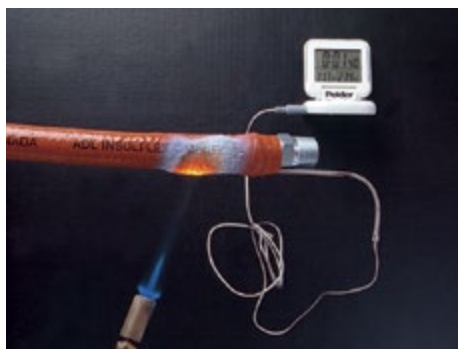
AEROSTYLE PYROJACKET®

Thicker, denser inner glass fiber than our Industrial Grade Pyrojacket® gives higher insulation values, increased strength and enhanced abrasion resistance.



Aerostyle Pyrojacket® withstands repeated exposures to molten steel, molten aluminum and molten glass up to **1650°C (3000°F)**. The heavy coating of our proprietary iron oxide red silicone rubber compound sheds molten metal splash immediately, so very little heat transfer occurs.

When exposed to flames, the silicone rubber transforms into a crust, creating a protective SiO₂ refractory layer. Aerostyle Pyrojacket® is constructed from high bulk glass fiber braided sleeve. Excellent modulus of elasticity makes it an ideal choice for bundling hoses, tubes and cables in a variety of hostile environments.



CONTINUOUS OPERATING TEMP	260°C
MAX SHORT TERM EXPOSURE	1650°C
MOLTEN SPLASH RESISTANCE	OUTSTANDING
FLAME RESISTANCE	VERY GOOD
ABRASION RESISTANCE	VERY GOOD
FLEXABILITY	OUTSTANDING
DURABILITY	OUTSTANDING
WATER AND OIL RESISTANCE	OUTSTANDING

PYROJACKET®

Aerostyle Pyrojacket®

The world's most certified fire protection sleeve.



Aerostyle Pyrojacket® Quick Facts

Custom colours available by special order	
Sizes up to 127mm (5") diameter	
Continuous operating temp:	260°C(500°F)
Max short term exposure:	1650°C (3000°F)
Molten splash resistance:	Outstanding
Flame resistance:	Very good
Abrasion resistance:	Very good
Durability:	Outstanding
Flexibility:	Outstanding
Water and oil resistance	Outstanding

Max Temp 1650°C

- ✓ **SAE AS 1072E**
- ✓ UL 1441 Certified
- ✓ VW1 Flame Test Certified
- ✓ MSHA Certified for use in underground mines
- ✓ GL - Germanischer Lloyd Certified for 800°C for 30 minutes
- ✓ BS EN 373 Molten Splash Tested
- ✓ BS EN 388 Abrasion Tested
- ✓ BS EN ISO 6940 Flame Resistance Tested
- ✓ BS EN ISO 6530 Oil Resistance Tested
- ✓ BS 2576 Tensile Strength Tested
- ✓ DIN 54837 I 5510-2 Rail Vehicle Certified for Resistance to Combustibility
- ✓ DIN 5659-2 I 5510-2 Rail Vehicle Certified for Toxicity

Pyrojacket® VCO



Continuous Operating Temp:	500°F (260°C)
Max Short Term Exposure:	3000°F (1650°C)
Molten Splash Resistance:	Outstanding
Flame Resistance:	Very Good
Abrasion Resistance:	Very Good
Flexibility:	Outstanding
Water And Oil Resistance	Outstanding

Custom colours available by special order. Sizes up to 6" (152 mm) diameter.

Knitted or braided high bulk glass fiber sleeve with VCO hook-and-loop closure. Ideal choice for easy retrofits.

INSTALL WITHOUT DISCONNECTING HOSES OR CABLES - Constructed from a high bulk glass fiber braided or knitted sleeve, heavily coated with our proprietary compound of iron oxide red silicone rubber. Using high temperature glass fiber thread, a flame retardant hook-and-loop closure system is sewn internally.

SHEDS SPLASH IMMEDIATELY - Pyrojacket® VCO withstands repeated exposures to molten steel, molten aluminum and molten glass up to **3000°F (1650°C)**. The heavy coating of our proprietary iron oxide red silicone rubber compound sheds molten metal splash immediately, so very little heat transfer occurs. When exposed to flames, the silicone rubber transforms into a crust, creating a protective SiO2 refractory layer.

WITHSTANDS INTENSE RADIANT HEAT AND FLAME - Pyrojacket® VCO will withstand continuous exposure to 500° F (260°C); up to 2000°F (1090°C) for 15-20 minutes; and up to **3000°F (1650°C) FOR 15-30 SECONDS**.

Excellent modulus of elasticity makes this Insulflex® product an optimal choice for bundling hoses, tubes and cables in a variety of hostile environments.

Protect your personnel and cut your energy loss - Pyrojacket VCO's insulation properties provide personnel with effective protection against burns from hot hoses and flexible steam lines, while reducing heat energy losses.

Pyrotape®



Continuous Operating Temp:	500°F (260°C)
Max Short Term Exposure:	3000°F (1650°C)
Molten Splash Resistance:	Outstanding
Flame Resistance:	Very Good
Abrasion Resistance:	Very Good
Flexibility:	Outstanding
Water And Oil Resistance	Outstanding

Custom colours available by special order. Sizes up to 5" (127 mm) diameter.

Non-adhesive high bulk glass fiber tape withstands intense heat and flame and sheds molten splash immediately.

OUTSTANDING MOLTEN SPLASH PROTECTION - Pyrotape® is a knitted high bulk glass fiber tape, heavily coated with our proprietary compound of iron oxide red silicone rubber. The specially designed compound sheds molten metal splash immediately, so very little heat transfer occurs.

Pyrotape® can withstand repeated exposures to molten steel, molten aluminum and molten glass, up to 3000°F (1650°C).

HIGH TEMPERATURE PROTECTION FOR HOSES AND CABLES - Pyrotape® withstands continuous exposure to 500°F (260°C), up to 2000°F (1090°C) for 15-20 minutes, and up to 3000°F (1650°C) for 15-30 seconds.

When exposed to flame, the silicone rubber transforms into a crust, creating a protective SiO2 refractory layer.

NON-ADHESIVE INSTALLATION WITHOUT LINE DISCONNECTION - Pyrotape® has an excellent modulus of elasticity and can wrap any diameter hose or cable - typically in a spiral wrap with a 50% overlap. Can be installed without disconnecting hoses or cables.

Pyrosil™ Tape



	PST-16	PST-24	PSTR-16
Width:	1"	1-1/2"	1"
Thickness:	.020"	.060"	.020"
Profile:	Triangular	Triangular	Rectangular
Reinforcement:	None	None	Glass fiber
Dielectric strength: MIL-46852	400 volts/mil	200 volts/mil	450 volts/mil
Max temp:	246°C	246°C	260°C
Elongation:	300%	300%	25%
Tensile strength:	Moderate	Good	Outstanding

Silicone rubber high temperature tape forms a non-adhesive, self-bonding, self-curing, liquid-tight insulation barrier.

HIGH TEMPERATURE INSULATION TAPE - Constructed from a high bulk glass fiber braided or knitted sleeve, heavily coated with our proprietary compound of iron oxide red silicone rubber. Using high temperature glass fiber thread, a flame retardant hook-and-loop closure system is sewn internally.

SHEDS SPLASH IMMEDIATELY - Pyrojacket® VCO withstands repeated exposures to molten steel, molten aluminum and molten glass up to 3000°F (1650°C). The heavy coating of our proprietary iron oxide red silicone rubber compound sheds molten metal splash immediately, so very little heat transfer occurs. When exposed to flames, the silicone rubber transforms into a crust, creating a protective SiO₂ refractory layer.

WITHSTANDS INTENSE RADIANT HEAT AND FLAME - Pyrojacket® VCO will withstand continuous exposure to 500° F (260°C); up to 2000°F (1090°C) for 15-20 minutes; and up to 3000°F (1650°C) for 15-30 seconds.

Excellent modulus of elasticity makes this Insulflex® product an optimal choice for bundling hoses, tubes and cables in a variety of hostile environments.

PROTECT YOUR PERSONNEL AND CUT YOUR ENERGY LOSS - Pyrojacket VCO's insulation properties provide personnel with effective protection against burns from hot hoses and flexible steam lines, while reducing heat energy losses.

Pyroblanket™ 96 oz



Continuous Operating Temp:	500°F (260°C)
Max Short Term Exposure:	3000°F (1650°C)
Molten Splash Resistance:	Outstanding
Weld Spatter Resistance:	Outstanding
Flame Resistance:	Outstanding
Abrasion Resistance:	Outstanding
Flexibility:	Very Good
Water And Oil Resistance	Very Good
Colours	Iron Oxide Red

Ultra-heavy grade high temperature resistant fabric, designed for use in severe molten splash applications in the primary metals industry.

TOUGH, DURABLE AND VERY VERSATILE - Our heavyweight - Pyroblanket™ 96 oz (3260 g) /m²) is constructed from a glass fiber base fabric, coated one side only with a very thick layer of specially compounded silicone rubber that sheds molten splash almost instantly, before heat transfer can occur.

It is used primarily for fabrication of specialized covers and curtains in applications such as electric arc furnace (EAF), blast furnace and casting, where severe molten splash occurs. It can be cut and sewn into custom shapes and formats, or used with other Insulflex high temperature fabrics to create unique protection products for the most severe industrial applications.

WITHSTANDS CONTAMINANTS, HIGH HEAT AND FLAME - The silicone rubber coating is completely impervious to water, moisture and hydraulic oils. When exposed to high temperatures or molten splash for extended periods, the coating transforms into a silica refractory crust.

Pyroblanket™ 32 oz & 17 oz



Continuous Operating Temp:	260°C	260°C
Max Short Term Exposure:	1182°C	1182°C
Molten Splash Resistance:	Very Good	Good
Weld spatter resistance:	Outstanding	Outstanding
Flame Resistance:	Very Good	Very Good
Abrasion Resistance:	Very Good	Very Good
Flexibility:	Outstanding	Outstanding
Water And Oil Resistance	Outstanding	Outstanding
Standard colour	Red	Silver Grey

Heat, flame and weld spatter protection, designed to exceed industrial standards where resistance to moisture, sunlight, corona and hydraulic oils is needed.

OUR MIDWEIGHT PYROBLANKET™ - A midweight (32oz/yd²; 1085g/m²) and lightweight (17 oz/yd²; 578 g/m²) high temperature resistant fabric, constructed from a glass fiber base fabric, impregnated both sides with a specially compounded silicone rubber coating designed to shed heavy weld spatter and resist heat and occasional flame.

IMPERVIOUS TO CONTAMINANTS - Pyroblanket™ 32 oz and 17 oz are completely impervious to water, moisture and hydraulic oils. It is used primarily for fabrication of premium grade valve insulation covers, hanging flame-protection blankets in outdoor and offshore use, protective molten splash applications and fabric expansion joints



Aluminized Silicaflex™



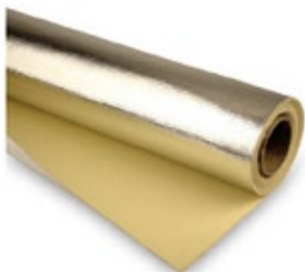
Continuous Operating Temp:	1800°F (982°C)
Max Short Term Exposure:	3000°F (1650°C)
Molten Splash Resistance:	Good
Weld spatter resistance:	Excellent
Flame Resistance:	Outstanding
Abrasion Resistance:	Good
Flexibility:	Outstanding
Water And Oil Resistance	Excellent

High Performance Silicaflex™ blanket with a high heat reflective aluminized coating.

DEPENDABLE SEVERE HEAT PERFORMANCE - Suitable for use at 1800°F (982°C) and able to withstand short term exposure to 3000°F (1650°C), Aluminized Silicaflex features the additional benefits of a heat-stable aluminized coating. Ideal for reflecting intense radiant heat, the aluminized heat-stable coating also provides additional tensile and tear strength, abrasion resistance and the ability to repel water and hydraulic oils.

STANDARD ROLLS OR CUSTOM LENGTHS - Available in a standard thickness of .058" (1.45 mm) in roll widths of 36" (915 mm). Supplied in full rolls 150 ft (45 m) or custom lengths.

Pyreflect™ Blanket



Continuous Operating Temp:	650°F (343°C)
Max Short Term Exposure:	1000°F (538°C)
Flame Resistance:	Good
Abrasion Resistance:	Outstanding
Durability	Outstanding
Flexibility:	Outstanding
Water And Oil Resistance	Outstanding

Pyreflect™ Sleeve



Continuous Operating Temp:	650°F (343°C)
Max Short Term Exposure:	1000°F (538°C)
Flame Resistance:	Good
Abrasion Resistance:	Outstanding
Durability:	Outstanding
Flexibility:	Outstanding
Water And Oil Resistance	Outstanding

Silicaflex™ Blanket 18, 32 and 36 oz



Continuous Operating Temp:	1800°F (982°C)
Max Short Term Exposure:	3000°F (1650°C)
Molten Splash Resistance:	Good
Weld spatter resistance:	Excellent
Flame Resistance:	Outstanding
Abrasion Resistance:	Moderate
Flexibility:	Outstanding
Water And Oil Resistance	Moderate



BlueCAT SSI

Three-Way Catalysts

The Next Big Thing in Emission Control!

For use with small spark ignited (SSI) engines, the BlueCAT™ SSI emission control system is a direct-fit replacement for OEM mufflers.

Regardless if you're a worker, manager or a health and safety professional, the BlueCAT™ SSI is an emission control product designed to improve job site health and safety conditions.

BlueCAT™ SSI Product Versatility

Mindful of worker health and safety, the cost effective and easy to install BlueCAT™ SSI emission control solution is engineered and manufactured to integrate with all leading equipment and engine manufacturer designs.

Health And Environment Benefits

**Typical Bluecat™
Ssi Emissions
Reduction
Performance For
Small Engines.**

(CO) Carbon Monoxide



(HC) Hydrocarbons



(NOx) Nitrogen Oxides



*Emission performances may vary. Reported performance based upon surrogate test data. Engine operating with closed-loop fuel control at proper A/F ratio. System performance may vary based upon: performance and maintenance of the engine, fuel quality and type, duty cycle and exhaust temperature. Reference performance based on triplicate ISO 8178 D2 test cycles with engine operating in closed-loop configuration..

Product Features

- ✓ Advanced tri-metallic catalyst technology
- ✓ Designed to operate on Kohler gasoline and gaseous (LPG & CNG) fueled small engines
- ✓ The BlueCAT™ SSI is compatible with an A/F controller (optional) to maximize the emission reduction in gaseous fueled engines
- ✓ Custom designs available upon request
- ✓ The BlueCAT™ SSI catalytic mufflers match or surpass the noise attenuation performance of original Kohler small engine mufflers
- ✓ Made of heavy aluminized steel to increase the typical life expectancy of its original replacement BlueCAT

Honda



Kohler



Briggs & Stratton



Kawasaki



**BlueCAT™ SSI is available for the following Honda small engine models.
Custom designs available upon request.**



**BlueCAT™ SSI is available for the following Kohler small engine models.
Custom designs available upon request.**



**BlueCAT™ SSI is available for the following Briggs & Stratton small engine models.
Custom designs available upon request.**



**BlueCAT™ SSI is available for the following Kawasaki small engine models.
Custom designs available upon request.**



Diesel Oxidation Catalysts



Nett Technologies' Diesel Oxidation Catalysts (DOC) are catalytic converters designed specifically for diesel powered engines and equipment.

DOC's reduce Carbon Monoxide (CO) and Hydrocarbons (HC) including the Soluble Organic Fraction (SOF) of Diesel Particulate Matter (DPM). DOC's are simple, inexpensive, maintenance free and suitable for all types and applications of diesel engines.

Diesel Particulate Filters (DPF)



Developed for medium and heavy-duty diesel engines, Nett Technologies' Diesel Particulate Filters (DPF) are designed as an effective solution for diesel particulate matter or soot removal.

Manufactured using either cordierite or silicon carbide, Nett Technologies' DPF filters are an excellent way to control and remove harmful diesel emissions.

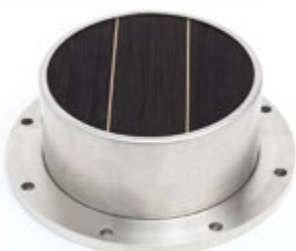
3-Way Catalytic Converters



Nett Technologies' 3-Way Catalytic Converters control exhaust emissions from stoichiometric CNG, LPG and gasoline engines.

3-Way Catalytic Converter technology cannot be used on lean-burn CNG or diesel engines (see SCR for diesel NOx control). 3-Way Catalytic Mufflers are the most effective way of controlling Carbon Monoxide (CO), Hydrocarbons (HC), and Nitrogen Oxides (NOx) emissions with simultaneous reductions of up to 90-99%.

Flame Traps



The Nett Flame Trap is designed for use in explosion protected diesel engine systems.

A flame trap functions by absorbing heat from the travelling flame front, through channels designed into the unit. This drops the burning gas / air mixture below its auto-ignition temperature and thus, the flame cannot survive.

Underhood Dynamic Air Precleaners



Oblan Under Hood Engine Air Precleaners can be remote mounted or attached directly to the air cleaner, eliminating the need for an external air intake.

Air enters the precleaner through static vanes causing the air to spin. As the air spins, centrifugal force separates dust, dirt, insects, rain and snow from the air stream. The swirling air drives a high velocity rotor that acts as a blower, evacuating contaminants through special discharge ports in the side of the unit. Only purified air flows to the air cleaner.

FEATURES & BENEFITS

- Remove Up To 90 % Of Impurities From Intake Air Before The Air Enters The Filter Elements.
- Extend engine air filter life up to 10 times.
- Reduce down time by up to 50%.
- Prolong engine and turbocharger life.
- Save up to 10% on fuel costs.
- Easy to install.
- Mounting flexibility
- Wide range of applications and flow rates.
- High air flow, low differential design.
- Steel housing, powder coat.
- The Precleaners are self-powered and self-cleaning, requiring no electrical or exhaust gas power to dispose of separated particles. They require virtually no maintenance and should be inspected occasionally to insure that no foreign material has plugged intake or exhaust port areas.
- No exterior vehicle modification for intake air.

Externally Mounted Dynamic Air PreCleaners



Oblan Externally Mounted Air PreCleaners consist of a steel housing with static vanes and a rust-proof rotor mounted on dual ball bearings over double-welded plate steel.

The perforated metal pre-screen at the inlet is standard. The outlet tube can be adapted with the supplied reducing sleeves for a variety of outlet choices. Oblan Engine Air Precleaners are powder coated for a durable, corrosion resistant finish. Air flows range from 53 to 1411 CFM (1.5 to 40.0 m3/min).

FEATURES & BENEFITS

- Remove up to 90% of impurities from intake air before the air enters the filter elements.
- Extend engine air filter life up to 10 times.
- Reduce down time by up to 50%. Prolong engine and turbocharger life.
- Save up to 10% on fuel costs.
- Easy to install. Three plastic outlet reduction sleeves are provided with each assembly.
- Wide range of applications and flow rates.
- Steel housing, powder coat.
- High air flow, low differential design. The precleaners are self-powered and self-cleaning, requiring no electrical or exhaust gas power to dispose of separated particles.
- They require virtually no maintenance and should be inspected occasionally to insure that no foreign material has plugged intake or exhaust port areas. Steel housing, black powder coat.

Externally Mounted Dynamic Air PreCleaners - KC Series



These Air Precleaners consist of a steel housing with static vanes and a rust-proof rotor mounted on dual ball bearings. The perforated metal pre-screen at the inlet is standard.

The outlet tube can be adapted with the supplied reducing sleeves for a variety of outlet choices. Oblan Engine Air Precleaners are powder coated for a durable, corrosion-resistant finish. Air flows range from 53 to 1059 CFM (1.5 to 30.0 m³/min).

FEATURES & BENEFITS

- Remove up to 80 % of impurities from intake air before the air enters the filter elements.
- Compact, low-profile design.
- The bottom-intake air entry design eliminates the opportunity for water intrusion during high speed and stationary operation.
- Extend engine air filter life.
- Reduce down time.
- Prolong engine and turbocharger life.
- Save on fuel costs.
- Easy to install. Three plastic outlet reduction sleeves are provided with each assembly.
- Wide range of applications and flow rates.
- High air flow, low differential design.
- Steel housing, black powder coat.

Housings For Dryfilter Elements Combined System With Dynamic Precleaner



This range combines the security of a primary and safety-element with an efficient, dynamic precleaner available in one compact, single-connection package.

Oblan Combination Precleaner / Air Filters have a steel housing with static vanes and a corrosion-proof rotor mounted on dual ball bearings over double-welded plate steel. The adjustable mounting band makes installation flexible. Oblan Combination Precleaner / Air Filters are powder coated for a durable, corrosion-resistant finish. Airflows range from 18 to 1517 CFM (0.5 to 43.0 m³/min).

FEATURES & BENEFITS

- Removes up to 90% of impurities (dust, snow, rain, etc.) Before they reach the air filter.
- Extend engine air filter life up to 10 times.
- Reduce down time by up to 50%.
- Low fuel consumption up to 10%

APPLICATIONS

Oblan Combination Dynamic Precleaner / Air Filters are specifically designed to be connected to the air intake of the gasoline, diesel or compressed natural gas engines. The advantages of the systems include their compact size and ease of installation. The three-stage air filtration systems are designed with only one connection to the engine. Their applications include agricultural machinery; earth moving, construction and mining equipment; stationary engines; generator sets; trucks; pick-ups; off-road vehicles; material handling equipment; snow removal equipment and street sweepers.