



# REFRIGERATION TECHNOLOGIES



## 2017 PRODUCT CATALOG



## **WE ARE A PRODUCT LEADERSHIP COMPANY**

Companies that focus on product leadership push the envelope. They build products that change the way the customer lives. They create a culture of innovation, out-of-the-box thinking, and brand loyalty.

The strategy of Refrigeration Technologies is to pursue excellence in product leadership. Our products are formulated with one goal in mind  
"Have No Equal".

## **INNOVATE + ENGAGE**

Refrigeration Technologies, a family company, was created in 1987 by John Pastorello, a contractor who was tired of using obsolete chemical products. A former chemist turned HVAC/R technician, he fell back on his love of science to invent a brand of proprietary products that would change the way the industry viewed specialty chemicals. This innovative spirit continues to strengthen and advance the HVAC/R industry increasing efficiency, profits, and sustainability.

# TABLE OF CONTENTS

Blu .....	2
Big Blu	
Big Blu Brush On	
Big Blu Subzero	
Nylog .....	4
Viper Brite.....	5
Viper Evap + .....	6
Viper Coil Cleaner .....	7
Viper Heavy Duty.....	8
Viper WetRag .....	9
Viper Nickel Safe Ice Machine Cleaner .....	10
Viper Wipes .....	11
Viper Coil Coating .....	12
Checkmate .....	13
Viper Pan & Drain Cleaner.....	14
Silicone Grease.....	14
Certifications .....	15
Manufacturers Representatives and Distribution.....	Back Cover

# BIG BLU

## BIG BLU SUBZERO

## BIG BLU BRUSH ON

### A Higher Level of Leak Detection:

The Original Big Blu family of bubble leak detectors are used by OEM's and industry professionals worldwide. Our fluids are strong, persistent film forming liquids that are the only bubble/foam indicators capable of detecting gas leakage down to 0.65 ounces per year. Use on any gas including Oxygen.

**Big Blu** is the original spray on leak detector.

**Big Blu Subzero** is freeze protected to -30F.

**Big Blu Brush On** is great for spot leak applications and is supplied with a 10" telescopic dauber.

Non-Toxic  
 Non-Corrosive  
 Biodegradable  
 Oxygen Safe

BIG BLU	
P/N: <b>RT100S</b>	QUART
<b>RT100G</b>	GALLON
<b>RT100D</b>	55 GALLON DRUM
Temp Range	+35 to 177 F
Sensitivity	0.65 oz per yr

BIG BLU SUBZERO	
P/N: <b>RT150S</b>	QUART
<b>RT150G</b>	GALLON
Temp Range	-30 to 202 F
Sensitivity	0.79 oz per yr

BIG BLU BRUSH ON	
P/N: <b>RT175B</b>	8oz TELESCOPIC DAUBER
Temp Range	0 to 185 F
Sensitivity	0.74 oz per yr



**BIG BLU**  
*Break-On*  
**MICROLEAK DETECTOR**

Telescopic Dauber  
Freeze Resistant  
8oz (236ml)

THE ORIGINAL  
**BIG BLU**  
**MICROLEAK DETECTOR**

Ultra-Sensitive Formula  
Long Lasting Bubbles  
1 U.S. Gallon (3.785 liters)

THE ORIGINAL  
**BIG BLU**  
**MICROLEAK DETECTOR**

Ultra-Sensitive Formula  
Long Lasting Bubbles  
32oz (946ml)

**BIG BLU**  
**SUBZERO**

In Freezing Conditions  
Ultra-Sensitive Formula  
1 U.S. Gallon (3.785 liters)

**BIG BLU**  
**SUBZERO**

Ultra-Sensitive Formula  
32oz (946ml)

# NYLOG

**It's a Sealant:** Nylog is a viscoelastic fluid made from refrigeration grade compressor oil. Gaskets coated with Nylog will never dry or become heat fixed to the surface. Threaded connections coated with Nylog will prevent high pressure leaks by forming a hydraulic seal. The compound always remains temperature and vibration resilient.

**It's a Lubricant:** Nylog can be used as a high tack assembly lube when installing shaft seals, o-rings, schrader valves, ball valves, unloaders or other system components. Nylog is fully miscible and 100% compatible with the refrigerant and base compressor oils.

**NYLOG RED** Is based on Mineral Oil and used on Ammonia, Propane, CFC or HCFC systems.

**NYLOG BLUE** is synthetic ester oils fully compatible with all systems including those based on PVE oil, HFO refrigerants and CO2.

Will Never Harden or Dry

Will Not Clog or Contaminate Systems

Fully Compatible and Miscible

Used and Recommended by OEM's



NYLOG RED	
Base	Mineral Oil
Application	CFC or HCFC Systems
Temp Range	-30 to 350 F
Size	30ml

NYLOG BLUE	
Base	Synthetic Ester Oils
Application	HFC Systems
Temp Range	-35 to 425 F
Size	30ml



# VIPER BRITE

## NOTHING ELSE CLEANS OR FOAMS BETTER

Viper Brite is a highly aggressive alkaline coil brightener. It is recommended for use on heavily soiled coils that have not been cleaned in years. A 10:1 dilution will provide abundant amounts of foaming power that will push debris out of deeply impacted coils. The alkaline effect strips hard oxidation from aluminum fins to restore the coil to a bright metallic sheen. Please respect the power of this chemical and always wear full protective gear.

Use with our Foam Sprayer. No need to per-dilute. Just add Viper Brite straight from the bottle into the canister. You can choose from 5 different dilution ratios. A simple garden hose is all you need.

Non-Acid  
High Foaming  
Super Cleaning/Degreasing  
Biodegradable  
EPA Compliant



### VIPER BRITE

P/N: **RT300G** | GALLON

Concentrated: Dilute 10:1  
Biodegradable



Registered for use in all food processing areas.

# VIPER EVAP+

## COIL CLEANING BREAKTHROUGH

Viper Evap+ is the industry's only non-rinsing evaporator coil cleaner using enzymes in a high performance detergent base. Embedded soils that resist conventional detergents are removed successfully with Viper Evap+. The solution remains active for 72 hours with condensate production for continuous cleaning and complete odor elimination. Spray on and fully saturate the coil. Place the unit back into operation. The performance is impressive.

- Non-Toxic
- No Odors
- Aluminum Safe
- Biodegradable



### VIPER EVAP+

P/N: RT350G

GALLON



Registered for use in all food processing areas.

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# VIPER COIL CLEANER

## NOTHING BEATS VIPER

Viper is a potent degreasing compound that does not contain any hazardous ingredients or give off toxic fumes. Use it to clean small indoor kitchen equipment, condenser and evaporator coils. No need to rinse the evaporator and the condenser only needs a light water rinse for minimal clean-up. The aerosol injector produces a pin spray of expanding foam that penetrates deep in between the coil fins. The foam will liquefy after a few minutes removing heavily imbedded grease and grime.

- Non-Toxic
- No Odors
- Non-Flammable
- Aluminum Safe
- EPA Compliant

## VIPER COIL CLEANER

P/N: **RT375A**

18 oz AEROSOL



Registered for use in all food processing areas.

# VIPER HEAVY DUTY

## PERFORMANCE WITHOUT HAZARDOUS INGREDIENTS

Viper Heavy Duty is a concentrated version of our popular Viper aerosol product. Use Viper HD instead of a hazardous acid or alkaline cleaners for unbelievable performance. Viper HD is a multipurpose cleaner/degreaser that can be used to clean just about anything. Use it as a non-rinsing evaporator or condenser coil cleaner. When diluted above 20:1, no need to rinse condenser coils if a water source is not available. Apply it through our foam gun or in any type of high or low pressure spray equipment.

- Non-Toxic
- No Odors
- Aluminum Safe
- Biodegradable



### VIPER HEAVY DUTY

P/N: RT390G

GALLON



Registered for use in all food processing areas.

# VIPER WETRAG



## BETTER THAN A WET RAG

This reusable heat blocking putty keeps piping and sensitive components cooler than traditional wet rag applications during brazing, soldering, or welding. It is made from the same materials found in the heat shield of the space shuttle. Simply apply, remove, and reuse.

Reusable like a Wet Rag

Protects surfaces, valves, and other sensitive parts from heat damage

Blocks direct and conductive heat transfer

No mess formula

Use with Map/Pro, Oxy/Acetylene, Mig, Tig, Arc, and propane torches

Non-Toxic

## VIPER WETRAG

P/N: **RT400P**

12 OUNCES



# VIPER ICE MACHINE CLEANERS

## ICE MACHINE CLEANER 2.0

Until now, ice machine cleaners were nothing more than low tech Phosphoric acid. Our Viper Ice Machine cleaner is formulated with an advanced blend of organic acids that will remove more scale faster than any other product of its kind. It is a stronger acidic cleaner that is lower in toxicity, non-fuming, less corrosive and environmentally preferred over Phosphate based chemicals.

### Nickel Safe

Use 8oz of cleaner for every 250-300lb per day of ice production. Our cleaner has been tested and approved to be safe for use on Manitowoc nickel plated evaporators.

### Maximum Strength

Use 16oz of cleaner for every 250-300lb per day of ice production for ice machines using stainless steel evaporators.



### NICKEL SAFE CLEANER

P/N: <b>RT500N</b>	16 oz
<b>RT500G</b>	GALLON



Registered for use in all food processing areas.



## VIPER WIPES

### CLEANS ALMOST ANYTHING

Viper Wipes are ultra-strong dual textured waterless hand towels that will clean almost anything. Use to remove dirt, grease, oil, grime, tar, mastic, caulking and more! Towels absorb soils leaving your hands clean. These convenient wipe and go towels are used by professional mechanics on the road, on the roof, and in the shop. No water rinse is required. Viper Wipes contain Lanolin, Aloe, and Vitamin E for soothing relief on hands covered with nicks, scraps, and minor cuts.

### VIPER WIPES

P/N: **RT600D**

80 WIPES

# VIPER COIL COATING

## INDUSTRIAL COIL COATING

Our Viper Coil Coating is the same formulation we supply to factory OEM'S and coil manufacturers. It is the toughest and longest lasting coating you will ever use. Bonds to all metal surfaces and withstands temperatures to 400F (205°C). The aerosol injector provides a flat vertical spray pattern for reaching deep into the coil body. In field application, simply apply a single coat to the front and back of the coil. There will be no significant loss of heat transfer when used as directed. Protects coils from salt water and many other chemically corrosive environments. Viper Coil Coating is a solvent borne clear coating that meets all State and Federal VOC regulations.

- Complete Corrosion Protection
- Bond to all Metals
- Withstands High Temperatures
- No Loss of Heat Transfer
- Used by OEM's

### VIPER COIL COATING

P/N: **RT640A** | 15 OUNCES



Net Wt. 18 oz (1-lb 2 oz)

Refrigeration Technologies



Contamination Detector Kit

**MANUAL**

**Part One: OIL PHASE TESTING**

- 1.1 Determining Contaminants in Oil
- 1.2 The Oil Detector Tube
- 1.3 Milking the System for Oil
- 1.4 Testing Oil "Outside" a System
- 1.5 Interpreting the Results

**Part Two: REFRIGERANT PHASE TESTING**

- 2.1 Quick - Accurate Test Results
- 2.2 Checkmate Assembly for Gas Testing
- 2.3 Taking the Test
- 2.4 Interpreting the Results

**Part Three: THE CHECKMATE METHOD**

- 3.1 Detector Tubes
- 3.2 Metering Device/Checkmate Body
- 3.3 Cleaning the Test Device
- 3.4 Parts Diagram
- 3.5 Troubleshooting



02009

U.S. Patent #5,918,177 and #6,831,144

Printed in U.S.A.

# CHECKMATE

## PREDICTING COMPRESSOR FAILURE

The Checkmate method is the industry's only valid field test for measuring Acid and Moisture levels in both the compressor oil and in any refrigerant gas. Since its introduction in 1995, Checkmate is now used by refrigerant packagers, reclaiming companies and thousands of service contractors all over the world. The detector tubes have been tested for accuracy by ETL, Intertek Testing Services, an ARI approved laboratory.

### CHECKMATE

P/N: **RT700K**

BRASS BODY WITH EXTENSION HOSE AND UNION

14 PAGE ILLUSTRATED MANUAL

1-PACK (3EA) ACID DETECTOR TUBES

1-PACK (3EA) MOISTURE DETECTOR TUBES

1-PACK (3EA) OIL DETECTOR TUBES

# VIPER PAN & DRAIN TREATMENT

## STOP CHRONIC DRAIN BLOCKAGE

Viper Condensate Pan and Drain Treatment is a sprayable gel that contains enzymes and silicone detergents. The enzymes are natural biological disruptors that will penetrate and break through the solid layers of slime, sludge and sediment. The silicone detergents coat the pan, p-trap and drain piping with a lubricative film to improve flow and prevent future soil adhesion. The slow dissolving gel will outperform and outlast conventional tablets and strips..

Non-Toxic

Eliminates Odors

Safe for all Metals and Plastics

Biodegradable

EPA Compliant



## PAN & DRAIN CLEANER

P/N: PT800S

QUART



Registered for use in all food processing areas.





# SILICONE GREASE

## FOOD GRADE LUBRICANT

Our Silicone Grease has hundreds of uses. It is the lubricant of choice in food equipment, water fixtures, vacuum connections, ice machines, ovens and refrigeration hardware. It has a high dielectric strength for safely lubricating electromechanical devices. Commonly used as protective coating to prevent corrosion on battery terminals, electrical connectors and damper motors. Silicones are compatible with most plastics, rubber, leather, composite fibers and all metals. Our Silicone Grease has a stable consistence over a wide temperature range with low volatility. It is chemically resistant to many detergents and is an ideal waterproofing compound. Kosher certified and NSF rated H1 for incidental food contact.

TEST	METHOD	RESULT
FOOD GRADE	NSF	H-1, INCIDENTAL FOOD CONTACT
COLOR	GARDNER	TRANSLUCENT WHITE
PENETRATION	ASTM D-217	3
FLASH POINT	CLOSED CUP	>570F
BLEED	F.S. 791	NON
DROPPING POINT	ASTM D-566	NONE
POUR POINT	ASTM D-97	-45 F
WATER WASHOUT	ASTM D-1264	0.75%
EVAPORATION LOSS	ASTM D-972	30% @ 390 F
SPECIFY GRAVITY	ASTM D-2225	1.03

## SILICONE GREASE

P/N: **RT910T**

3 oz TUBE



Registered for use in all food processing areas.

# CERTIFICATIONS

PRODUCT	NSF REGISTRATION	KOSHER
BIG BLU	P1-119847	JVV-ZKMK
BIG BLU SUBZERO	P1-HT1-119848	JVX-RKGR
BIG BLU BRUSH ON	P1-119846	JVT-JCBM
NYLOG RED	H2-119543	HXK-XCKS
NYLOG BLUE	H2-119845	HXV-QKSJ
VIPER BRITE	F1-084269	HXX-VMMC
VIPER EVAP+	F1-126062	HXZ-PVRJ
VIPER COAL CLEANER	P1-120060	HZP-DQML
VIPER HEAVY DUTY	A1-120080	HZV-GHKX
WETRAG		HZK-NJQS
VIPER NICKEL SAFE ICE MACHINE CLEANER	A3-145855	QHZ-XLJZ
VIPER COIL COATING		HZV-NBDG
VIPER PAN & DRAIN CLEANER	L1-119844	JVW-LMCZ
SILICONE GREASE	H1-119842	HZV-KTZN

## SPECIFIC APPLICATIONS

BIG BLU	OXYGEN SAFETY, CORROSIVITY	TRUESDALE, TUSTIN, CA
BIG BLU SUBZERO	OXYGEN SAFETY, CORROSIVITY	TRUESDALE, TUSTIN, CA
BIG BLU BRUSH ON	OXYGEN SAFETY, CORROSIVITY	TRUESDALE, TUSTIN, CA
NYLOG RED	SEALED TUBE COMPATIBILITY, MISCIBILITY	INTERTEK, COLUMBUS, OH
NYLOG BLUE	SEALED TUBE COMPATIBILITY, MISCIBILITY	INTERTEK, COLUMBUS, OH
VIPER HEAVY DUTY	CLEANING EFFICIENCY	SGS, FAIRFIELD, NJ
CHECKMATE	DETECTOR TUBE ACCURACY	INTERTEK, COLUMBUS, OH
SILICONE GREASE	COMPLETE PROFILE	SPECIALTY LUBRICANT, NORCO, CA

### Safety Data Sheet Review

NSF, Ann Arbor, MI

### VOC Compliance and Survey

South Coast Air Quality Management  
District, Diamond Bar, CA

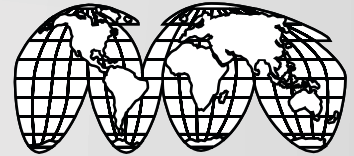
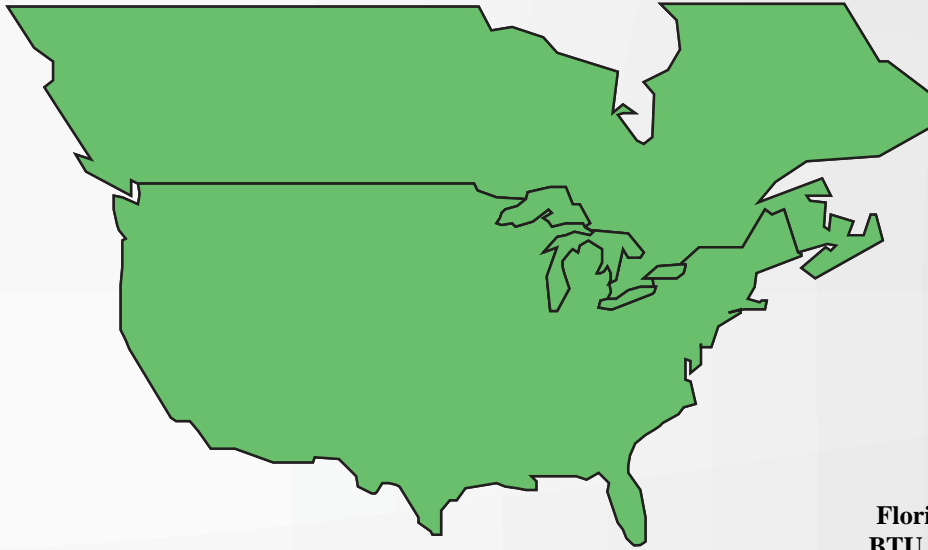
### Product Labeling Review

NSF, Ann Arbor, MI

### OK Kosher

Brooklyn, New York

# MANUFACTURER'S REPRESENTATIVES AND DISTRIBUTION



## World Wide

Russell International,  
Hialeah, FL. USA  
Ph: 305-556-1341

[www.russellintlcontrols.com](http://www.russellintlcontrols.com)

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B. J. Williams & Assoc.  
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### Florida BTU Reps

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[www.btureps.com](http://www.btureps.com)

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Monti & Associates  
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### So. CA, So. N V, HI RCI Westech

Ph: 714-630-6301  
[www.westechhvacr.com](http://www.westechhvacr.com)

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### AZ, NM Southwest Sales Group

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### Singapore/Gulf States

Kaltech Engineering &  
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Ph: 07-5549-4000  
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### New Zealand

Refrigeration  
Engineering Co. Ltd.  
Ph: 64-9-526-5700  
[www.realcold.co.nz](http://www.realcold.co.nz)



### Italy - Sicily

Be One Clima  
Ph: 39 338 56.93.731  
[www.beoneclima.com](http://www.beoneclima.com)



### India

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[www.kirorefrigerants.com](http://www.kirorefrigerants.com)



### Europe

Panimpex NV, BL  
Ph: 32-58-42-14-50  
[www.panimpex.com](http://www.panimpex.com)



### South America

HVAC Global Reps  
Phone: 786-537-2989  
[www.hvacglobalreps.com](http://www.hvacglobalreps.com)

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