

Totaline® Chemicals, Oils and Supplies



TRUST TOTALINE®
ON YOUR TRUCK



Universal HVAC/R
Parts and Supplies

Certain Products may not be available in your local area.

Chemicals, Supplies & Oils

Maintain Peak Efficiency for All Equipment with Chemicals, Supplies and Oils.

Totaline® offers a complete line of chemicals, oils, and supplies for the HVAC industry.

Safe*

All Totaline products go through a rigorous testing process to ensure safety for the technician and your equipment.

- Equipment and technician safe
- Carrier EH&S approved
- Environmental products in line-up

Quality

Premium blend of ingredients to help get the job done fast and right!

- Premium products = easy rinseability
- Exclusively available from Totaline® distributors
- Strong, quality products; never diluted

Easy to Use

Easy to read graphical representations: Know exactly how to dilute each chemical with the appropriate amount of water.

- Product type and description right on the package
- Easy to select the correct product
- Clear instructions, dilution information right on the bottle



**Universal HVAC/R
Parts and Supplies**

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System Protection

Total Flush



Total Flush provides a solution for flushing air conditioning and refrigeration systems. Flushing these systems is the optimal solution for flushing line sets for R-410a conversions, compressor burnouts, and much more. Total Flush includes the flush injector system tool P902-0325 and the solvent used to flush the system P902-0316.

- Safe for the technicians and all brands of equipment
- Non-Toxic

Part Number:	Size:
P902-0325	Total Flush Kit - Canister, Tools, Injection Valve
P902-0325-4	Total Flush Kit - Canister, Tools, Injection Valve (4 Pack)
P902-0316	Total Flush 16 oz. Refillable Solvent
P902-0316-6	Total Flush 16 oz. Refillable Solvent (6 Pack)

Lubri Tect™



Neutralizes, scavenges, and prevents acid and moisture in air conditioning and refrigeration systems

- Completely safe for your system
- No harmful residues
- No by-products
- Use for preventative maintenance or after compressor burnouts
- Will treat up to 1 gallon of system lubricants
- Safe with all lubricants, mineral, alkylbenzene, and polyol ester lubricants

Part Number:	Size:
H-3702	2.4 FL. Oz.



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System Protection

Totaltest® 2 All-In-One Kit: Acid & Moisture Testing System



Totaltest® checks to see if acid or moisture is present in the system. The Totaltest tube chemical crystals react with acid or moisture by changing colors for an easy visual check.

There are two types of test tubes: Blue and Yellow.

Totaltest Blue Test Tubes:

- Used for acid and moisture test for select CPC, HCFC, and HFC refrigerants R-11, R-12, R-500, R-502, R-22, R-134a, R-407c
- Acid Test Only: for HFC refrigerant R-410a

Yellow Test Tubes:

- Moisture test only for HFC refrigerant R-410a

Kit Includes:

- One Totaltest instrument
- 5 x Blue Totaltest test tubes
- 5 x Yellow Totaltest test tubes
- 1 x Totaltest Kit case

Part Number:

Size:

TT1-002

Totaltest 2 Kit



Totaltest® Blue Test Tubes

Six canisters of five blue test tubes (30 tubes total)

Part Number:

Size:

TT2-001

6 x five Blue Test Tubes

Totaltest Yellow Test Tubes

Six canisters of five yellow test tubes (30 tubes total)

Part Number:

Size:

TT2-002

6 x five Yellow Test Tubes

System Protection

ZEROL[®] ICE Air Conditioning Lubricant Performance Enhancer



ZEROL[®] ICE is a revolutionary, fully synthetic lubricant performance enhancer designed specifically for use in stationary air conditioning systems.

- Can be added to the compressor oil as a single liquid dose during an initial fill, repair or maintenance (oil/gas top-up/refill) operation
- Can be professionally added either by itself or mixed in the conventional oil
- Fully synthetic performance enhancer designed specifically for use in stationary air conditioning systems
- OEM approved field remedy for sticking TXV's
- ZEROL ICE is compatible with many common air conditioning oils such as mineral oils, alkyl benzenes and polyol esters and with R-22, R-134a, R-410a and other common HFC refrigerants

Part Number: **Size:**
040232191046 4 oz. Net Wt.

How to Use: (1) bottle per system applied using an oil/dye injection tool



4 oz. Oil Dye Injection Tool

Application tool for use with Zerol Ice

Part Number:
69562



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Coil Cleaners

Maintain Peak Efficiency for All EquipmentCan Your Coil Cleaner Say that?

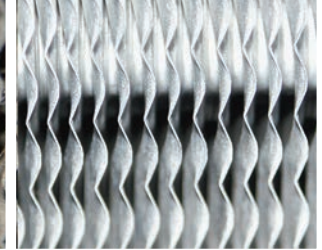
Totaline® uses premium ingredients to ensure quality coil cleaner for all different applications. One premium blend is utilizing reactive expanding foam including formulations of potassium hydroxide.

- Provides rich, effective expanding foam that pushed contamination from deep within the coil
- Potassium formulations are more soluble in water which provides better rinseability

Dirty Coil?



Get the Totaline® Advantage!



Results you can see.

Coil Cleaner Selection Chart

Product Number	Product Name	Category	Use On..	Expanding Foam Action	Best For	Rinse?	Special Notes	Personal Protection
P902-0201	Foam Cleaning Fluid	Alkaline	Outdoor Condenser Coils	Yes	Greasy Contamination Safer than HF Acid-Based Coil Cleaners	Always rinse thoroughly with water	Use with foam fluid gun (P902-9003)	Gloves & Safety Goggles Avoid Breathing Vapors Avoid all Skin & Eyes Contact Rinse from Skin & Eyes w/o Delay
P902-0104	Outdoor Non-Acid Base Coil Cleaner						Dilutes with up to 80 parts water	
P902-0101 P902-0101A P902-0101B	Condenser Cleaner Non-Acid Concentrate						Concentrated Foaming Condenser Cleaner	
P902-0118	Condenser Cleaner Non-Acid Aerosol						Easy to Use Aerosol	
P902-1801	Triple Clean	Detergent	Evaporators & Condensers	No	Universal Coil Cleaner	Self-Rinsing on Evaporators	1. Cleaner 2. Degreaser 3. Deodorizer	Safety Glasses May Irritate Eyes & Skin
P902-0301	Environmentally Sound Coil Cleaner		Evaporators	Will Not Etch Aluminum Attacks Only Dirt Buildup	PM Schedules Hard to Rinse Evaporator Coils & Indoor Areas		Excellent for Environmentally Sensitive Jobs Concentrated Evaporator Cleaner 1 Qt. Makes over 6 Gallons Easy to Use Aerosol	
P902-1001 P902-1001A	Indoor Coil Cleaner Concentrate	Detergent	Evaporators	Will Not Etch Aluminum Attacks Only Dirt Buildup	Hard to Rinse Evaporator Coils & Indoor Areas	Self-Rinsing on Evaporators	Concentrated Evaporator Cleaner	Safety Glasses May Irritate Eyes & Skin
P902-1004	Indoor Base						1 Qt. Makes over 6 Gallons	
P902-1018	Indoor Coil Cleaner Aerosol						Easy to Use Aerosol	

Coil Cleaners

Triple Clean



The Totaline® Triple Clean is a coil cleaning detergent, deodorizer and degreaser. Built with a premium formulation this coil cleaning solution easily rinses away dust and grime.

- Cleaner, deodorizer, degreaser
- For use on Evaporator and Condenser Coils

Part Number: P902-1801 Size: 1 Gal. (3.8L)

DILUTION SCALE: 1 PART CLEANER TO		
6 parts water CONDENSER COILS	10 parts water EVAPORATOR COILS	20 parts water GENERAL PARTS CLEANING
← CLEANING DUTY →		

Condenser Cleaner, Non-Acid Concentrate (Yellow)



The Totaline Non-Acid formulation makes it safer to use than commonly used acid cleaners. This product is biodegradable and authorized by the U.S.D.A for use in federally inspected meat and poultry processing plants.

- Removes grease, exhaust and other sticky residue from condensers
- Easy to use expanding foam action; spray on and easily rinse off
- Premium potassium formulation for better rinsing
- Excellent for greasy coils
- Come in a variety of sizes including a convenient aerosol application

Part Number: P902-0118 Size: 18 ounce Aerosol
 P902-0101 1 Gallon (3.8L)
 P902-0105 5 Gallon (22.8L)
 P902-0155 55 Gallon (208.8L)

DILUTION SCALE: 1 PART CLEANER TO		
3 parts water HEAVY	6 parts water MEDIUM	20 parts water LIGHT
← CLEANING DUTY →		



5 Gallon



55 Gallon



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Coil Cleaners

Total-Bright, Condenser Coil Cleaner



Total-Bright cleaner combines the most effective ingredients for superior brightening power not normally achieved with expanding foam, alkaline coil cleaners.

- Premium brightening power
- Even more expanding foam action
- Alkaline, Non-Acid
- Premium potassium formulation for better rinsing
- Makes up to 21 gallons of useable cleaner from one gallon of concentrate

Part Number: P902-0101A Size: 1 Gallon (3.8L)

DILUTION SCALE: 1 PART CLEANER TO		
5 parts water HEAVY	8 parts water MEDIUM	20 parts water LIGHT
← CLEANING DUTY →		

Super Concentrate Non-Acid Condenser Cleaner (BASE™)



Why pay for shipping water?

- Premium brightening power
- Highest value of condenser coil cleaner
- Formulated with 100% active ingredients
- Mix usable solution on the job site

Part Number: P902-0104 Size: 1 Quart (946ml)
 P902-0101B 1 Gallon (3.8L)
 P902-0155B 55 Gallon

DILUTION SCALE: 1 PART CLEANER TO		
6 parts water HEAVY	24 parts water MEDIUM	80 parts water LIGHT
← CLEANING DUTY →		

Super Concentrated Indoor Coil Cleaner (BASE™)



This self-rinsing base effectively cleans evaporators by removing greasy film, dirt, lint and other foul-smelling contaminants in one simple step.

- Easy to use – just add water
- Super concentrate dilutes with 24 parts water and makes over 6 gallons
- No expanding foam actions
- Attacks only dirt not metal
- Self-rinsing formulation

Part Number: P902-1004 Size: 1 Quart (946ml)
 P902-1001A 1 Gallon (3.8L)

Coil Cleaners

Indoor Aerosol Coil Cleaner



Convenient, aerosol can for a no-mix and no mess easy way to clean evaporator coils.

- Deep penetrating foam to reach deep into the coil
- Easy to use
- No-rinse formulation

Part Number: P902-1018 **Size:** 18 Ounces

Internal Coil Cleaner



The Totaline Internal Coil Cleaner is a biodegradable chemical that cleans interior lines in air conditioners and refrigeration systems after compressor burnout or prior to new installation.

- Environmentally sound replacement for R-11, R12, and chlorinate solvents
- Breaks down carbon deposit, tar sludge, oil, grease, and neutralizes acids in systems
- Does not contaminate refrigerant or oil, contains no CFCs, and leaves no residue

Part Number: P902-1601 **Size:** 1 Gallon (3.8L)



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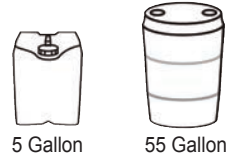
Coil Cleaners

Foam Cleaning Fluid



The Totaline Foam Condenser coil cleaner was formulated to efficiently clean coils with the use of the Totaline Multi Ratio Foam Gun.

Part Number:	Size:
P902-0201	1 Gallon (3.8L)
P902-0206	5 Gallon (22.8L)
P902-0255	55 Gallon (208.8L)



Multi-Ratio Foam Gun



The Totaline Multi Ratio Foam Gun attaches to any garden hose and applies coil cleaners at an adjustable dilution rate from 3 to 10 parts water. The sprayer is for use with all coil cleaners, not just foam cleaning fluid.

- Easy Rinsing: Remove pistol grip portion of the Foam Gun and thoroughly rinse coil
- No need to pre-dilute coil cleaners
- Simply dial in desired dilution rate
- Foaming extension aerates the fluid flow to pre-foam the cleaner mix providing enhanced cleaning contact time

Part Number:	Size:
P902-9003	Multi Ratio Foam Gun

Coil Cleaners

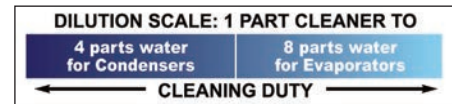
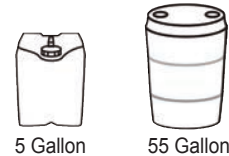
Indoor and Outdoor Coil Cleaner



Safely cleans both evaporator and condenser coils without potential damage to equipment, personnel or the environment. Unlike strong acid or highly alkaline cleaners that actually eat away a thin layer of aluminum to remove contamination, it attacks only the dirt build up and leaves metal surfaces clean and free of corrosion.

- No expanding foam action - attacks only dirt buildup, not metal
- Self-rinsing on evaporator coils
- Condenser: Dilute with 4 parts water
- Evaporators: Dilute with 8 parts water
- Approved for use on E-Coated coils
- No acid, no butyl ether, no phosphates, no potassium hydroxide, no sodium hydroxide
- Odorless & non-combustible

Part Number:	Size:
P902-0301	1 Gal. (3.8L)
P902-0305	5 Gal. (22.8L)
P902-0355	55 Gal. (208.8L)



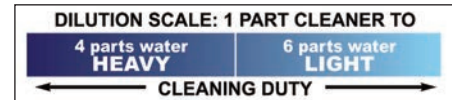
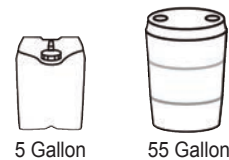
Indoor Coil Cleaner Concentrate



The Indoor Coil Cleaner Concentrate is safe for cleaning evaporator coils in place. With the Totaline self-rinsing evaporator coil cleaner you are able to clean evaporator coils in one step while the system is in operation. Just spray into the upstream side of coils and the air flow causes complete coil penetration. The contaminated solution drains as condensate without rinsing.

- Cleans coil, condensate pan and drain line
- Authorized by the U.S.D.A. for use in federally inspected meat and poultry processing plants
- Biodegradable

Part Number:	Size:
P902-1001	1 Gal. (3.8L)
P902-1005	5 Gal. (22.8L)
P902-1055	55 Gal. (208.8L)



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Speciality Cleaners

Ice Machine Cleaner



Ideal cleaner for ice machines, the Totaline Ice Machine Cleaner meets Manitowoc's specification GES-6 for nickel safe ice machine cleaner.

- Removes slime and scale buildup to restore efficiency of ice machines
- Fast-acting, non-foaming
- Nickel-Safe

Part Number:	Size:
P902-1508	8 oz. Bottle
P902-1516	16 oz. Bottle
P902-1501	1 Gal. (3.8L)

Electronic Air Cleaner Concentrate



Remove tobacco tars, grease, grime, soot and baked-on residues from electronic filters, refrigeration parts, heating parts, fans, vents, blowers, air ducts and registers.

- Biodegradable
- Authorized by U.S.D.A. for use in federally inspected meat and poultry processing plants

Part Number:	Size:
P902-2001	1 Gallon (3.8L)

DILUTION SCALE: 1 PART CLEANER TO		
2 parts water HEAVY	6 parts water MEDIUM	10 parts water LIGHT
← CLEANING DUTY →		

Total 9 Concentrated All Purpose Cleaner



Concentrated, all-purpose cleaner formulated to quickly remove grease and heavy soils.

- Cleans any washable, non-porous surface
- Use as a spray & wipe cleaner or dilute for other cleaning jobs
- Environmentally friendly: safer to use alternative to bleaches, solvents, and toxic cleaners
- Gentle to skin

Part Number:	Size:
P902-1732	1 Quart (940 ml)
P902-1701	1 Gallon (3.8L)

DILUTION SCALE: 1 PART CLEANER TO		
Full Strength HEAVY	10 parts water MEDIUM	50 parts water LIGHT
← CLEANING DUTY →		

Speciality Cleaners

Degreasing Solvent



Degreasing full strength solvent that is non-chlorinated that combines effectiveness with personal safety and environmental concerns.

- Slow evaporating, 177°F flash point
- Biodegradable
- Contains no toxic substances as defined by SARA Title III, Section 313.

Part Number:	Size:
P902-3002	1 Gallon Bottle

Solvent Cleaner and Degreaser



Removes oil, grease and grime from mechanical parts, sheet metal, switches, motor armatures, etc.

- Controlled evaporation ensures deep soil penetration for effective cleaning
- Non-chlorinated, high flash point (145°F), pleasant citrus scent

Part Number:	Size:
P902-1325	1 Quart (946 ml)
P902-1301	1 Gallon (3.8L)



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Sprayers

Trigger Sprayer, Tank Sprayer and Fog Machine

Totaline offers multiple variations of sprayers to enhance the coil cleaning process and making it easy for technicians to get the job done right! Take a look at the variety of sprayers below:



P902-9001



P902-3248



P902-9015



P902-9002



P902-9016

Part Number:	Size:
P902-9001	1 Qt. Trigger Spray Plastic Bottle with fill/dilution graduations
P902-3248	48 oz hand-held pump sprayer
P902-9015	1 Gallon Pump Style Tank Sprayer
P902-9002	2 Gallon Pump Style Tank Sprayer
P902-9016	Fogger Machine for Use with Coil & Duct Spray

Leak Detectors

Low Temperature Gas Leak Detector



Totaline Low Temp Gas Leak Detector was designed to detect any size leak from a hair line crack to a crack visible to the naked eye. The formulation creates bubbles when a gas leak is present.

- Works in the most extreme environments with a freeze point up to -20° F
- Reliable in almost all weather environments

Part Number:	Size:
P902-1432LT	1 Qt. Sprayer Bottle
P902-1401LT	1 Gallon Refill

Leak Detectors

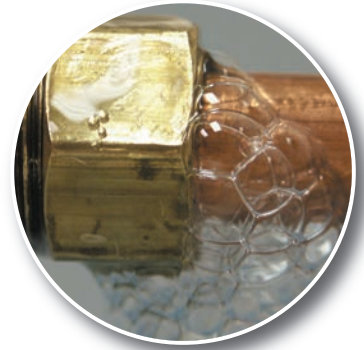
Leak Reactant, Blue Spray-Type



Totaline Leak Reactant provides a quick and easy way to pinpoint gas leaks from any pressurized gas system.

- Instantly produces an easy to see, long lasting stream of bubbles
- Convenient spray for hard to reach areas
- Non-clogging, non-hazardous, non-corrosive
- Biodegradable

Part Number:	Size:
P902-1432	1 Quart (946 ml)
P902-1401	1 Gallon (3.8L)



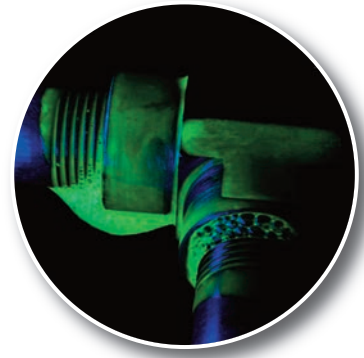
Gas Leak Locator, Fluorescent Dauber-Type



The Totaline Gas Leak Locator provides immediate detection of large leaks.

- Upon application, large leaks will bubble
- For small, slow leaks bubbling will occur within a few seconds
- Use integrated dauber pad to apply liberally around suspected joints

Part Number:	Size:
P902-4501	1 Gallon (3.8L) refill
P902-4508	8 Oz. (236 ml) Dauber in bottle



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Coil Coatings

Coil and Duct Spray



- Fungistat, Bacteriostat, Deodorizer
- Destroys odors associated with bacteria, mold, mildew, smoke, animals, etc.
- For microbial control of evaporator coils, drip pans, and associated air conditioning parts
- Deodorizes HVAC system ductwork
- Simply spray until covered with mist and let stand for 10 minutes
- Coil & Duct Spray (EPA Registered #9804-03-40536)

Part Number:	Size:
P902-3601	1 Gallon (3.8L)
P902-3632	1 Quart (946 ml) Spray Bottle

Cooling Coil Treatment



- Continually washes away airborne and other contaminants for 2-3 years.
- Contains preservatives that protect against deterioration caused by foul smelling organic debris commonly found in air conditioning units
- Improves Indoor Air Quality
- Eliminates Foul Odors at Their Source
- Safe, Easy to Use, Water Cleanup

Part Number:	Size:
P902-1125	1 Quart (940 ml)
P902-1101	1 Gallon (3.8L)

Coil Wetting Agent



- Spray on surfactant coil wetting agent
- Creates an instantly wettable surface on aluminum fins to eliminate water blow-off or dripping from evaporator heat exchangers
- Removes residual oils from aluminum fin surfaces leaving a long term wettable surface

Part Number:	Size:
P902-3301	1 Gallon (3.8L)

Coil Coatings

Fin Protector



Protect painted and unpainted metals from rust and corrosion with the Totaline Fin Protector. This is a specially formulated coating containing acrylic polymers and anti-corrosion agents.

- Seals and protects aluminum, copper, brass, bronze, chrome, galvanized metal, titanium and stainless steel
- Will not affect heat transfer
- Ideal for use on air cooled condensers located in corrosive environments

Part Number:	Size:
P902-5101	1 Gallon (3.8L)
P902-5116	16 oz. (454g) Net Wt. Aerosol
P9025105	5 Gallon (22.7304L)

Drain Treatment

Condensate Drip Pan Cleaner

Kills odor-causing bacteria in cooling units such as air conditioners and refrigerators.



- Controls foul smelling odors caused by mildew, fungi, bacteria, algae, and slime.
- A controlled release product that easily fits into most air conditioners, refrigerator drip pans or the water tank of your dehumidifier.
- Lasts up to six months (heavier than normal use may require replacement in less than six months for best results) effectively maintaining clean water and inhibiting the foul odors caused by mildew.
- Condensate Pan Strip (EPA Registered # 68114-1-40536)

Part Number:	Size:	Use:
P902-38001 (Bulk Pack)	0.5 oz. strip (20 count jar)	Window / Fan & Coil
P902-38002	0.5 oz. strip	Window / Fan & Coil
P902-38003	1 oz. strip	Up to 2.5 tons
P902-38004	3 oz. strip	3 to 5 tons
P902-38005	6 oz. strip	6 to 10 tons
P902-38006	12 oz. strip	Up to 20 tons
P902-38007	12 oz. strip	40 to 50 tons



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Drain Treatment

Heavy Duty Drain Opener



- Great for condensate lines.
- Thick formula designed to open clogged drains fast.
- Pours through standing water directly to the stoppage.
- Will not harm pipes or septic tanks.

Part Number:	Size:
P902-2732	1 Quart (946mL)
P902-2701	1 Gallon (3.8L)

Mega Tabs, Condensate Drain Treatment



Mega Tabs are designed with a gel ingredient that allows the tabs to stick to the drain pan when wet. The gel features allows them to stay high in the water stream for slower dissolving rates and longer term treatment.

Use Mega-Tab to eliminate most of the extra maintenance problems such as odors, overflows and water damage caused by plugging condensate drains and pans.

- Easy-to-use, safe, non-toxic, and non-corrosive
- Does not form any deposits in the pan or drain
- Clean sludge, scum and other accumulations in condensate drain pans preventing the odors caused by these accumulations.

Part Number:	Size:
P902-42002*	Mega Tab (single pack bag)
P902-42003	20 Ton Tab – Clam Shell Pack
P902-42004	20 Ton Tab – 6 Pack Bulk
P902-42005	20 Ton Tab – 56 Pack Bulk

*Use 1 tab per 5 tons

Total Tabs



Total Tabs are pill sized drain pan cleaners that are ideal for monthly maintenance to clean drain pans.

Part Number:	Size:
P902-42001	Total Tabs (200 count jar)

*2 tabs per 1.5 tons

Odor Control

TotalFresh™ Odor Control



- TotalFresh is a long lasting odor neutralizer that removes odors from the air. It is not a perfume or masking agent.
- TotalFresh reduces airborne odors caused by smoke, pets, sewers, cleaning solvents, and other sources of odors.
- Effective in central air systems, basements, homes, offices, hotels, schools, or wherever foul odors exist.

Original Tropic Scent:

Part Number:	Size:
P902-39001	½ lb. gel tub
P902-39002	1 lb. gel tub
P902-39003	3 lb. gel tub
P902-39005	30 lb. gel tub
P902-39006	1 lb. gel block, use with wall mount
P902-39008	Liquid spray, 16 fl. Oz.
P902-39004	Liquid spray, 1 Gallon
P902-3901	Liquid spray refill, 1 Gallon

Clean Breeze Scent

Part Number:	Size:
P902-39009	½ lb. gel tub
P902-39010	1 lb. gel tub
P902-39011	3 lb. gel tub

Insect Spray

Wasp & Hornet Killer



- Kills wasps, bees and hornets on contact
- Shoots a powerful blast up to 20 feet (6.1 meters)
- Dielectric strength over 47,000 volts for safety
- U.S. EPA approved for use indoors (attics) and outdoors

Part Number:	Size:
P902-4016	14 oz. (397g) Net Wt. Aerosol



Universal HVAC/R
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Insulation Products

Insulation Tapes



The Totaline Insulation Tapes effectively insulates hot or cold pipes and comes in two types: foam and cork.

- Stops condensation and drip
- Firmly adheres to non-porous surfaces and to itself for multiple-wrap applications
- Molds easily around valves and fittings
- Will not shrink or dry out

Foam Insulation Tape

Part Number: P904-0101 **Size:** 30 foot roll x 1/8 inch thick

Cork Insulation Tape:

Part Number: P904-0201 **Size:** 30 foot roll x 1/8 inch thick

Sealing Gums



The Totaline Sealing Gums comes in two different versions: a Sealing Gum Cord and a Sealing Gum Slug.

- Easily formed by hand to any shape
- Seals out dust and moisture from joints
- Won't dry out or crack
- Firmly adheres to non-porous surfaces

Sealing Gum Cords

Part Number: P904-0303 **Size:** 25 foot roll x 3/8 inch bead

Sealing Gum Slug

Part Number: P904-0404 **Size:** 2 pound block

Hand Wipes

Easy Clean Hand Cleaner Wipes



Now it's easy to stay clean, fresh and professional for every job. Pre-moistened, heavy-duty scrubbing towels are aggressive on dirt and gentle on your skin. Stay clean without a heavy orange solvent odor.

- Strong, effective water-based cleaning agents
- Containers don't dry out!
- Tough on grease & grime
- Built in skin conditioners
- Wipes stay wet in the tub to the last towel

Part Number: P902-9020 **Size:** 75 Count Dispensers

Glycol

Glycol Freeze Protection



Totaline Freeze Protection is an anti-freeze solution formulated with 70% concentration of propylene glycol. This 1 gallon solution will provide contractors a method to protect systems against freeze and corrosion.

- Food grade GRAS approved

Part Number: P902-1901
Size: 1 Gallon

Water Treatments

Scale Remover with pH Indicator



An easy to use inhibited hydrochloric acid type descaler with a pH indicator is conveniently built in.

- pH indicator = red the circulating solution is active
- pH indicator = yellow it is spent
- Authorized by the U.S.D.A. for use in Federally inspected meat and poultry processing plants

Part Number: P902-2601
Size: 1 Gallon (3.8L)
P902-2605 5 Gallon (22.8L)



**Universal HVAC/R
Parts and Supplies**

Certain Products may not be available in your local area.

Water Treatments

One Shot Scale & Corrosion Control



The Totaline one shot scale and corrosion control is a simple, effective solution for continuous maintenance of chilled water systems. You are able to visually maintain treatment levels at 200-300 ppm with easy to use color indicator strips (included with the product).

- Polymerphosphonates provide scale control
- Corrosion control is maintained by a formation of a protective molybdenum film on metal surfaces
- Contains dispersants and peptizing agents to keep heat transfer surfaces free of insoluble materials such as silt and airborne dirt particles.

Part Number:	Size:
P902-5501	1 Gallon (3.8L)
P902-5505	5 Gallon (22.8L)
P902-5555	55 Gallon (208.8L)

Low Foaming Scale Remover



Safely acidizes and removes scale from cooling towers, pipes and condensers while system is in operation.

- Cleans entire open water side of system in one step
- Contains no harsh hydrochloric, sulfuric or sulfamic acid
- Authorized by U.S.D.A. for use in federally inspected meat and poultry processing plants

Part Number:	Size:
P902-2501	1 Gallon (3.8L)
P902-2505	5 Gallon (22.8L)
P902-2555	55 Gallon (208.8L)

Water Treatments

Winter Corrosion Protector



Safeguards drained water systems during winter shutdown by laying a protective film over the water side of system.

- Reduces subsequent rust, corrosion and system deterioration

Part Number:
P902-5005

Size:
5 Gallon (22.8L)



5 Gallon



**Universal HVAC/R
Parts and Supplies**

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Oils

Polyvinyl Ether Refrigeration Oil (PVE)



Totaline PVE is a new generation polyvinyl ether compressor lubricant for use with HFC refrigerants.

- Inherently resistant to Hydrolysis which provides superiority over polyolesters (POE)
- Use in systems requiring polyvinyl ether lubricant

Part Number:	Size:	Description:	Replaces
P903-1925	1 Quart (946 ml)	PVE 68	FVC 68D
P903-2525	1 Quart (946 ml)	PVE 32	FVC 32D
P903-2501	1 Gallon (3.785 L)	PVE 32	FVC 32D

Vacuum Pump Oil



- Cleans pump while loosens dirt and sludge
- Anti-rust ingredient protects internal parts
- Combination of additives makes for a true anti-wear lubricant and lengthens pump life
- Finely filtered during packaging for high purity

Part Number:	Size:
P903-0632	1 Quart (946 ml)
P903-0601	1 Gallon (3.8L)
P903-0605	5 Gallon (22.8L)

Oils

Penetrating Oil & Lubricant



- Convenient spray bottle
- Stops squeaks
- Loosens rusted parts
- Prevents corrosion
- Displaces moisture
- Protects metal
- No gummy build-up

Part Number:
P903-8025

Size:
1 Quart (946 ml) – Spray Bottle



**Universal HVAC/R
Parts and Supplies**

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Oils

Mineral Refrigeration Oil (MIN)



Mineral Refrigeration Oil (MIN)

- High quality naphthenic based lubricants
- OEM approved
- Compatible with CFC and HCFC refrigerants
- Moisture and wax free
- Finely filtered during packaging for high purity



5 Gallon



55 Gallon

150 SUS

Part No.	Type	Size	Replaces
P903-0101	150 SUS	1 Gal. (3.8L)	3GS, WF32, C-3
P903-0105	150 SUS	5 Gal (18.9 L)	3GS, WF32, C-3
P903-0155	150 SUS	55 Gal (208.2 L)	3GS, WF32, C-3



Part No.	Type	Size	Replaces
P903-0201	300 SUS	1 Gal. (3.8L)	4GS, WF68, C-4
P903-0205	300 SUS	5 Gal (18.9L)	4GS, WF68, C-4
P903-0255	300 SUS	55 Gal (208.2L)	4GS, WF68, C-4

Alkylbenzene Refrigeration Oil (AB)



- High quality reliable lubrication
- High solubility
- Low foaming
- Low floc point
- Excellent thermal stability
- OEM approved



5 Gallon

150 SUS

Part No.	Type	Size	Replaces
P903-2001	150 SUS	1 Gal. (3.8L)	Zerol 150, RF150, AB150
P903-2005	150 SUS	5 Gal (18.9L)	Zerol 150, RF150, AB150

200 SUS - Copeland approved

Part No.	Type	Size	Replaces
P903-2101	200 SUS	1 Gal. (3.8L)	Zerol 200TD, AB200A
P903-2105	200 SUS	5 Gal (18.9L)	Zerol 200TD, AB200A

300 SUS

Part No.	Type	Size	Replaces
P903-2201	300 SUS	1 Gal. (3.8L)	Zerol 300, AB300
P903-2205	300 SUS	5 Gal (18.9L)	Zerol 300, AB300

Oils



Polyol Ester Refrigeration Oil (POE)

- Excellent lubricating properties over a wide temperature range
- OEM approved
- Specially formulated for use with HFC refrigerants
- Also compatible with CFC HCFC refrigerants for easier changeovers



5 Gallon

POE32

Part No.	Type	Viscosity	Size	Replaces
P903-1125	POE32	32 cSt	1 Qt. (946 ml)	SW 32
P903-1101	POE32	32 cSt	1 Gal. (3.8L)	SW 32
P903-1105	POE32	32 cSt	5 Gal. (18.9L)	SW 32

POE32e

Part No.	Type	Viscosity	Size	Replaces
P903-2425	POE32e	32 cSt	1 Qt. (946 ml)	RL32H, EAL ARTIC 32
P903-2401	POE32e	32 cSt	1 Gal. (3.8L)	RL32H, EAL ARTIC 32
P903-2405	POE32e	32 cSt	5 Gal. (18.9L)	RL32H, EAL ARTIC 32

POE32 3maf - Copeland approved

Part No.	Type	Viscosity	Size	Replaces
P903-1625	POE32 3maf	32 cSt	1 Qt. (946 ml)	RL32-3MAF EAL ARTIC 32-3MAF
P903-1601	POE32 3maf	32 cSt	1 Gal. (3.8L)	RL32-3MAF EAL ARTIC 32-3MAF
P903-1605	POE32 3maf	32 cSt	5 Gal. (18.9L)	RL32-3MAF EAL ARTIC 32-MAF

32BC - Bristol Compressor

Part No.	Type	Viscosity	Size	Replaces
P903-1812	32BC	32 cSt	12 fl. oz. (355 ml)	EAL ARTIC 32 BC

POE68

Part No.	Type	Viscosity	Size	Replaces
P903-1025	POE68	68 cSt	1 Qt. (946 ml)	RL68HB, RL68HP, SW 68
P903-1001	POE68	68 cSt	1 Gal. (3.8L)	RL68HB, RL68HP, SW 68
P903-1005	POE68	68 cSt	5 Gal. (18.9L)	RL68HB, RL68HP, SW 68

POE68e - Low Temp

Part No.	Type	Viscosity	Size	Replaces
P903-1725	POE68	68 cSt	1 Qt. (946 ml)	RL68H, EAL 68, ICEMATIC E68
P903-1701	POE68	68 cSt	1 Gal. (3.8L)	RL68H, EAL 68, ICEMATIC E68
P903-1705	POE68	68 cSt	5 Gal. (18.9L)	RL68H, EAL 68, ICEMATIC E68

POE100e

Part No.	Type	Viscosity	Size	Replaces
P903-1525	POE100e	100 cSt	1 Qt. (946 ml)	RL100H, ICEMATIC E100, RL100S
P903-1501	POE100e	100 cSt	1 Gal. (3.8L)	RL100H, ICEMATIC E100, RL100S
P903-1505	POE100e	100 cSt	5 Gal. (18.9L)	RL100H, ICEMATIC E100, RL100S

POE220vs

Part No.	Type	Viscosity	Size	Replaces
P903-2325	POE200vs	200 cSt	1 Qt. (946 ml)	RL220HC+, SW 220, SW 220XL
P903-2301	POE200vs	200 cSt	1 Gal. (3.8L)	RL220HC+, SW 220, SW 220XL
P903-2305	POE200vs	200 cSt	5 Gal. (18.9L)	RL220HC+, SW 220, SW 220XL



**Universal HVAC/R
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Oils

Approved Totaline® Oils for Totaline and Carlyle™ Compressors

Compressor Model	Refrigerant R-12, R-22 (L & H temp.)		Refrigerant R-507, R-404A (Med. temp.)		Refrigerant R-507, R-404A (Low temp.)		Refrigerant R-407C (Med. temp & A/C)		Refrigerant R-134a (M & H temp.)	
	Oil Model	Totaline Part Number	Oil Model	Totaline Part Number	Oil Model	Totaline Part Number	Oil Model	Totaline Part Number	Oil Model	Totaline Part Number
Carlyle 06D, E Semi-hermetic (Oil approvals are the same for 06D/E and 5FH)	Z 150 (Alkylbenzene)	P903-2001 P903-2005 P903-2025	POE68 OR POE68e	P903-1001 P903-1025 P903-1005 P903-1725 P903-1701 P903-1705	POE68e (Do not use POE68 for Low temp.)	P903-1725 P903-1701 P903-1705	POE68 OR POE68e	P903-1001 P903-1025 P903-1005 P903-1725 P903-1701 P903-1705	POE68	P903-1001 P903-1025 P903-1005
	Mineral Refr Oil 150	P903-0101 P903-0105 P903-0155								
Carlyle 5FH open	Z 150 (Alkylbenzene)	P903-2001 P903-2005 P903-2025	POE68 OR POE68e	P903-1001 P903-1025 P903-1005 P903-1725 P903-1701 P903-1705	POE68e (Do not use POE68 for Low temp.)	P903-1725 P903-1701 P903-1705	POE68 OR POE68e	P903-1001 P903-1025 P903-1005 P903-1725 P903-1701 P903-1705	POE68	P903-1001 P903-1025 P903-1005
	Mineral Refr Oil 150	P903-0101 P903-0105 P903-0155								
Carlyle 05T/06T Screw (74) OEM Screw 33-108 cfm	POE100e	P903-1501 P903-1505 P903-1525	POE100e	P903-1501 P903-1505 P903-1525	POE100e	P903-1501 P903-1505 P903-1525	Not a recommended application	Not a recommended application	POE100e	P903-1501 P903-1505 P903-1525
	Solest 170 (R-22 only)	SOLEST170-1G SOLEST170-5G								
Carlyle 104mm 06N Screw (30GX30HX Global Chiller) & Carlyle Thunderbolt/Paragon 06T Screw (30XA-AquaForce Chiller)	Not a recommended application		Not a recommended application		Not a recommended application		Not a recommended application	Not a recommended application	POE220vs	P903-2325 P903-2301 P903-2305 P903-1225 P903-1201 P903-1205
Carlyle 23XRV FoxFire Screw	Not a recommended application		Not a recommended application		Not a recommended application		Not a recommended application	Not a recommended application	POE220vs	P903-2325 P903-2301 P903-2305

Cross Reference

Totaline Part Number	Description	NuCalgon Part Number	Other Part Number
Flush			
P902-0325	Total Flush Kit	4300-08	N/A
P902-0316	Total Flush Refillable Solvent	4300-30	N/A
Lubri Tect™			
H-3702	Lubri Tect Neutralizes, Scavenges, Prevents, Acid & Moisture	4301-02 Acid Scavenger	N/A
Coil Cleaners			
P902-1801		4371-88	N/A
P902-0118	Condenser Cleaner Non-Acid (Aerosol)	4291-18: Nu-Brite (Aerosol)	N/A
P902-0101	Condenser Cleaner Non-Acid (Yellow)	4291-08: Nu-Brite (Blue)	Alki-Foam AKF-1
P902-0105	Condenser Cleaner Non-Acid (Yellow) 5 gal pail	N/A	N/A
P902-0101A	Total Bright Non-Acid (Brown)	4120-08: Alka-Brite Plus (Brown)	FM-1: Foam Max
P902-0101B	Super Concentrate Non-Acid BASE™	N/A	N/A
P902-0104	Super Concentrate Non-Acid BASE™ Quart	N/A	N/A
P902-0201	Foam Cleaning Fluid	N/A	N/A
P902-0301	Environmentally Sound Coil Cleaner	4190-08: Cal-Green or 4191-08: Evap Green	N/A
P902-0305	Environmentally Sound Coil Cleaner 5 gal pail	N/A	N/A
P902-0355	Environmentally Sound Coil Cleaner 55 gal drum	4190-01: Cal-Green or 4191-01: Evap Green	N/A
P902-1018	Indoor Coil Cleaner No-Rinse (Aerosol)	4171-75: Evap Foam No Rinse	CK-20: Coil Klean
P902-1001	Indoor Coil Cleaner No-Rinse (Green)	4168-08: Evap Power-C	AK-1: Acti-Klen
P902-1005	Indoor Coil Cleaner No-Rinse (Green) 5 gal pail	N/A	N/A
P902-1001A	Super Concentrate Indoor Coil Cleaner	N/A	N/A
	BASE™ No-Rinse	N/A	N/A
P902-1004	Super Concentrate Indoor Coil Cleaner	N/A	N/A
	BASE™ No-Rinse Quart	N/A	N/A
Sprayers			
P902-9001	Trigger Sprayer (Quart)	4768-W3: Multi-Purpose Sprayer	N/A
P902-9002	Tank Sprayer (2 Gallon Capacity)	4771-3: No. 220CP Poly Sprayer	N/A
P902-9003	Multi-Ration Foam Gun	4774-0: Coil Gun	Coil Gun
P902-9015	Tank Sprayer (1 Gallon Capacity)	4770-2: No. 100P Poly Sprayer	N/A
General Purpose Cleaners			
P902-1701	Total 9 Concentrate Cleaner	4186-08: Green Clean	Green Clean
P902-1732	Total 9 Concentrate Cleaner Quart Sprayer	4186-24: Green Clean	N/A
P902-2001	Electronic Air Cleaner Concentrate	4135-08: CalClean or 4143-08: HD CalClean	N/A
P902-9020	EasyClean Heavy-Duty Hand Wipes	4366-87: Scrubs-In-A-Bucket or 4185-75: Great Wipes	Scrubs
Solvent Cleaners			
P902-1301	Solvent Cleaner & Degreaser	N/A	N/A
P902-1325	Solvent Cleaner & Degreaser Quart Sprayer	N/A	N/A
P902-3002	Degreasing Solvent	N/A	N/A
P902-1601	Internal Coil Cleaner	N/A	N/A
Indoor Air Quality / Odor Control		N/A	N/A
P902-3601	Coil & Duct Spray	4126-08: Bio-Fresh CD	N/A
P902-3632	Coil & Duct Spray Quart Sprayer	4126-24: Bio-Fresh CD	Boi-Fresh CD
P902-9016	Fogging Machine for Duct Sanitizers	4693-0: Bio-Fresh Fogger	N/A

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Cross Reference

Totaline Part Number	Description	NuCalgon Part Number	Other Part Number
P902-1125	Cooling Coil Anti-Foulant Treatment Quart	N/A	N/A
P902-39001	TotalFresh 1/2 Lb. Tub	Original TotalFresh	N/A
P902-39002	TotalFresh 1 Lb. Tub	Original TotalFresh	N/A
P902-39003	TotalFresh 3 Lb. Tub	Original TotalFresh	N/A
P902-39005	TotalFresh 30 Lb. Pail	Original TotalFresh	N/A
P902-39006	TotalFresh 1 Lb. Block	Original TotalFresh	N/A
P902-39009	TotalFresh II 1/2 Lb. Tub	Smells like Clen-Air	N/A
P902-39010	TotalFresh II 1 Lb. Tub	Smells like Clen-Air	N/A
P902-39004	TotalFresh Scented Spray Pint Sprayer	Original TotalFresh	N/A
P902-3901	TotalFresh Scented Spray 1 gal	Original TotalFresh	N/A
P902-39008	TotalFresh Un-Scented Spray Pint Sprayer	N/A	N/A
Drain Treatments			
P902-38001	Condensate Drain Pan Strips – Small Units 20-pack Jar	N/A	N/A
P902-38002	Condensate Drain Pan Strips – Small Units Single Pack	N/A	N/A
P902-38003	Condensate Drain Pan Strips – Up to 2.5 Tons Single Pack	N/A	N/A
P902-38004	Condensate Drain Pan Strips – 3 to 5 Tons Single Pack	N/A	N/A
P902-38005	Condensate Drain Pan Strips – 6 to 10 Tons Single Pack	N/A	N/A
P902-38006	Condensate Drain Pan Strips – Up to 20 Tons Single Pack	N/A	N/A
P902-42001	Total Tabs Drain Cleaner	4296-60: Pan Treat	Pan-Treat
P902-42002	Mega Tab Gel-Style Drain Cleaner	4185-05: Gel Tab	Gel Tabs
P902-42003	Mega Tab 20 Ton	4185-20	
Leak Detectors			
P902-1401	Spray-Type Leak Reactant (Blue) Refill	4182-08: Cal-Blue Plus Refill	
P902-1432	Spray-Type Leak Reactant (Blue) Quart Sprayer	4182-24: Cal-Blue Plus Quart Sprayer	Locator Leak Detector, LOC, Cal
Blue			
P902-4501	Dauber-Type Leak Detector Refill	4184-08: Fluorescent Gas Leak Detector	
P902-4508	Dauber-Type Leak Detector 8 oz.	4184-53: Fluorescent Gas Leak Detector	Gas Leak Detector
P902-1432LT		4183-24	N/A
P902-1401LT		4183-08	N/A
Ice Machine Cleaner			
P902-1501	Ice Machine Cleaner (Green)	4287-08: Nickel-Safe Ice Machine Cleaner 1 Gallon	Nickle-Safe
P902-1516	Ice Machine Cleaner 16 oz. Spray Bottle	4287-34: Nickel-Safe Ice Machine Cleaner 16 oz.	
Miscellaneous Maintenance Products			
P902-3232	Flame Retardant Spray	N/A	N/A
P902-4016	Wasp & Hornet Killer	4292-75: Nu-Kill II	Bee-Wasp, VB Wasp, Nu-Kil II
P902-4120	Switch & Contact Cleaner	4082-04 or -03: Electrical Contact Cleaner	Electrical Contact Cleaner
P902-5101	Fin Protector		

Cross Reference

Totaline Part Number	Description	NuCalgon Part Number	Other Part Number
P902-5116	Fin Protector (Aerosol)	4083-90: DuraCoil	
P903-8025	Penetrating Oil & Lubricant	4128-03: Break-n-Lube	WD-40 Style Products
P902-5505	One Shot Scale & Corrosion Control (Moly Based) 5 gal	N/A	N/A
Scale Removers and Water Treatment			
P902-1901	Totaline Freeze Protection	4188-07	N/A
P902-2501	Scale Remover Low-Foaming (Phos Based)	4167-08: Eco-Lyme	N/A
P902-2505	Scale Remover Low-Foaming (Phos Based) 5 gal	4167-05: Eco-Lyme	N/A
P902-2601	Scale Remover with pH Indicator (HCL based)	4330-08: Liquid Scale Desolver	N/A
P902-3501	Algaecide	4108-08: No. 85 Algaecide	N/A
P902-5501	One Shot Scale & Corrosion Control (Moly Based)	N/A	N/A
Mineral Refrigeration Oils			
P903-0101	Mineral Refrigeration Oil 150 SUS	4303-07: C-3 Mineral Refr. Oil	3GS, WF32
P903-0105	Mineral Refrigeration Oil 150 SUS 5 gal	4303-05: C-3 Mineral Refr. Oil	
P903-0201	Mineral Refrigeration Oil 300 SUS	4304-07: C-4 Mineral Refr. Oil	4GS, WF68, C-4
P903-0205	Mineral Refrigeration Oil 300 SUS 5 gal	4304-05: C-4 Mineral Refr. Oil	N/A
Alkylbenzene (AB) Refrigeration Oils			
P903-2001	Z150 Alkylbenzene	4310-07: Zerol 150	Zerol 150
P903-2005	Z150 Alkylbenzene 5 gal	N/A	N/A
P903-2101	Z200cx Alkylbenzene Copeland Compressor	4308-07: Zerol 200TD	Zerol 200TD
P903-2201	Z300 Alkylbenzene	4311-07: Zerol 300	N/A
Polyol Ester (POE) Refrigeration Oils			
P903-1001	POE68	4316-86: RL 68HB	Castrol Icematic SW 68, Emkarate RL 68HB or RL 68HP
P903-1005	POE68 5 gal	4316-85: RL 68HB	Castrol Icematic SW 68, Emkarate RL 68HB or RL 68HP
P903-1025	POE68 Quart	N/A	N/A
P903-1101	POE32	N/A	N/A
P903-1105	POE32 5 gal	N/A	N/A
P903-1125	POE32 Quart	N/A	N/A
P903-1501	POE100	4317-66: RL 100E	RL100H
P903-1505	POE100 5 gal	N/A	N/A
P903-1525	POE100 Quart	N/A	N/A
P903-1601	POE32 3MAF	4314-66: RL 32-3MAF	3MAF
P903-1625	POE32 3MAF	4314-64: RL 32-3MAF	3MAF
P903-1701	POE68e	4316-46: RL 68H	RL68H
P903-1705	POE68e 5gal	4316-45: RL 68H	N/A
P903-1725	POE68e Quart	4316-44: RL 68H	N/A
P903-1812	POE 32BC Bristol	N/A	N/A
P903-2301	POE220vs	4318-66: RL 220H+	Castrol Icematic SW 220 or SW 220XL
P903-2305	POE220vs 5 gal	4318-65: RL 220H+ or 4318-75: RL 220XL	N/A
P903-2325	POE220vs Quart	N/A	N/A
P903-2401	POE32e	4314-46: RL 32H	RL32H, EAL ARTIC 32
P903-2405	POE32e 5 gal	4314-45: RL 32H	RL32H
P903-2425	POE32e Quart	4314-44: RL 32H	N/A

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Cross Reference

Totaline Part Number	Description	NuCalgon Part Number	Other Part Number
Polyvinyl Ether (PVE) Refrigeration Oils			
P903-1925	PVE68 Polyvinyl Ether	4319-24: FVC68D	FCD68
P903-2501	PVE32 Polyvinyl Ether	N/A	N/A
P903-2525	PVE32 Polyvinyl Ether Quart	4319-14: FVC32D	N/A
Vacuum Pump Oil			
P903-0601	Vacuum Pump Oil	4383-07: Vacuum Pump Oil	Vacuum Pump Oil
P903-0605	Vacuum Pump Oil 5 gal	N/A	N/A
P903-0632	Vacuum Pump Oil Quart Squirt Top	4383-24: Vacuum Pump Oil	Vacuum Pump Oil
Insulation Products			
P904-0101	Foam Insulation Tape	4219-12, -20 or 4218-12: Foam Tape	K-501, 4218-W3, Foam Insulation Tape
P904-0201	Cork Insulation Tape	4217-W3 or -12: Cork Tape	PT-1, 4217-W3, Premium Cork Tape
P904-0303	Sealing Gum Cords	4216-27: Sealing and Caulking Cords	Gum Cords
P904-0404	Sealing Gum Slugs	4216-92: Thumb-Tite	Gum Slugs

Fluid Analysis Services

TotalSense™ Fluid Analysis Services

- One source for all HVAC/R system fluid analysis
- Laboratory specialized in HVAC/R analysis
- Analytical reports with meaningful service recommendations
- Qualified staff available to answer your tough technical questions

Routine analysis of fluids used in HVAC/R equipment is essential to the proper maintenance and operation of the entire system. TotalSense™ Fluid Analysis Services encompass all analyses necessary to maintain and operate every type of HVAC/R equipment.



Lubricant Analysis

- Analysis for wear metals, moisture, acidity and oil type in air conditioning or refrigeration systems.
- Optional analysis for chloride content, ion activity, viscosity and % POE are available for certain compressors or system applications.

Refrigerant Analysis

- Analysis of CFC, HCFC and HFC refrigerants for contamination and degradation.

Lithium Bromide Analysis

- Fluid analysis for corrosion inhibitor concentration in absorption chiller systems.

Particle Count

- Fluid analysis for Lubricant cleanliness.

Glycol Heat Transfer Fluid Analysis

- Freeze point and concentration determination
- Fluid analysis for corrosion, additives, decomposition, and contaminants.

Water Analysis

- Analysis for hardness and corrosives in cooling towers, evaporative condensers, and closed loop systems.

Filter Analysis

- Standard analysis includes ID exam and gives relative amounts of metals found in the filter element.

Toll-Free Technical Support

- Engineering and analytical support is available by calling **1-877-460-7575**.



**Universal HVAC/R
Parts and Supplies**

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Fluid Analysis Services

TotalSense™ Fluid Analysis Services

Part No.	Description	Available Options
P915-0001	Lithium Bromide Analysis Kit <ul style="list-style-type: none"> • Uninhibited • Nitrate Inhibited • Chromate Inhibited • Molybdate Inhibited • Arsenite Inhibited • Refrigerant Water 	<ul style="list-style-type: none"> • Octyl Alcohol • Ammonia • Arsenite • Molybdate & Nitrate • Purge Gas
P915-0003	Brine (Glycol) - Fluid Analysis Kit	- NA -
P915-0006	Water Analysis Kit	<ul style="list-style-type: none"> • Ammonia • Electrical Conductivity • Other elements
P915-0007	Standard Oil Analysis Kit	<ul style="list-style-type: none"> • Chlorides/Fluorides • Ion Activity • Viscosity • Mixed Oil Percentage
P915-0007-PC	Particle Count	- NA -
P915-0008	Filter (Oil & Refrigerant) Kit Analysis of foreign solids & sludge	- NA -
P915-0009	Refrigerant Analysis Kit - includes single-use, DOT approved refrigerant cylinder and shipping paperwork	<ul style="list-style-type: none"> • Other refrigerant contamination • Non-condensables
Standard Service	3 - 5 days turnaround	• Oil, LiBr, refrigerant, water and glycol samples
Rush Service	24 - 48 hours turnaround	• Oil, LiBr, refrigerant, water and glycol samples

All analysis includes sample kit with collection and shipping instructions, information sheets, and sample containers. Analysis reports are available through US mail, fax or e-mail. View sample reports at www.fluidanalysiservices.com

Certain Products may not be available in your local area.



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