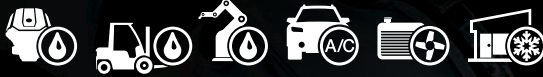


# Leak control matters

Detect, locate, cure and prevent fluid and refrigerant leaks



# Whether you work in the production of vehicles and engines, or in aftermarket service, fluid leakages are no fun.

Primalec provides solutions to make your life a little bit easier. Whenever you need to solve a leak problem in any of the following

Engine oils | Transmission fluids | Fuel | Cooling systems | Hydraulics in off road vehicles and plant | AC refrigerants | Bodywork, door and windscreen seals

**We have a solution for you.**



Glo-Leak® UV works for all the above, and the exciting new pink fluorescing tracer fluid means that you can now leak test two adjacent systems without misdiagnosis.

## Leaktronic

Leaktronic 1 & Leaktronic 2 are hand held electronic refrigerant sensors able to detect very small leaks of all the most common refrigerants, including R1341 and HFO-R1234yf. Leaktronic 3 detects the hydrogen in NitroTrace leak testing gas.

## NitroTrace™

The tracer gas system which uses the pressurised gas with the smallest molecules of all – hydrogen. It is used to find leaks in air conditioning and refrigeration systems, as well as many other pressurised systems, containers and cylinders.

## USX2

The USX-2 allows you to hear ultrasonic frequencies and thus diagnose minor leaks and faults before they become problematic. USX2 is also valuable for seeking out rainwater leaks in vehicle bodywork, doors, boot lids, windows and windscreen seals.



The world renowned refrigerant identification and analysis technology, which is a must for any business handling and using refrigerants to ensure purity and validity.

**We can also help you through our network of partnerships with experts in related disciplines. If you do have a problem or service need that a Primalec produced product cannot solve, we will help you find a solution.**

## Automotive leak testing

Glo-Leak® UV is widely used both in QA procedures on vehicle and engine production lines, and by technicians solving leaks in Aftermarket service.

Simple to use, visible results.

**Add** or inject the appropriate Glo-Leak® UV fluid and operate the system

**Scan** all external surfaces with the UV leak tracer lamp





**See** the fluorescent glow at the leak source

### Repair

For OEM applications, we offer a standard range of Glo-Leak® UV products best suited to production lines, including the exciting new pink fluoresce, as well as custom solutions tailored to your requirements.. Please contact us to discuss your needs.

For aftermarket service just select from the table below.



Code	Description	Pack	Dosage per 5 litres	Applications	UV light	Fluoresces
GL1310A	Glo-Leak® 1310 for automotive oils and fuels For Aftermarket leak testing in engines	250ml	Clean oil: 10-15ml		365nm	Yellow
GL1310B		1 litre	Dirty oil: 25ml			
GL1310S		6 x 25ml	Fuels: 5-10ml			
GL1312A	Glo-Leak® 1312 for automotive oils and fuels Aftermarket leak testing in engines using synthetic oils	250ml	Clean oil: 10-15ml		365nm or 400nm	Yellow
GL1312B		1 litre	Dirty oil: 25ml			
GL1312S		6 x 25ml	Fuels: 5-10ml			
GL1390A	Glo-Leak® 1390 for automotive coolants For Aftermarket leak testing of coolant systems	250ml	10ml		365nm or 400nm	Yellow
GL1390B		1 litre				
GL1390S		6 x 25ml				
GL1396A	Glo-Leak® 1396 for rainwater ingress For rainwater ingress and wind noise	250ml	12.5ml		365nm or 400nm	Blue
GL1396B		1 litre				
GL1396S		6 x 25ml				

## Air conditioning leak testing

Glo-Leak® UV for Mobile A/C has been successfully and safely used to locate leaks in vehicle air conditioners since the dying days of R12 and CFC refrigerants over 25 years ago. Engineered using the very best and purest ingredients to give the brightest fluorescence with the smallest dose size, Glo-Leak® UV has developed over time to suit the changing needs of new refrigerants.

A choice of two blends is offered for mobile AC

**GL1234** for all R1234yf and R134a systems fitted with belt driven or electric compressors, including hybrids and plug-in electric vehicles.

As with A/C lubricants and other additives, it is important to use the right tracer fluids with R1234yf and other new generation refrigerants. Glo-Leak® 1234 gives you the all in one solution.

**GL1284** for R134a systems with traditional belt driven compressors.

The following Glo-Leak UV fluids are for use in static commercial HVAC

**GL1384** is for small to medium sized commercial AC&R systems

**GL1484** is for larger commercial and industrial and marine air conditioning and refrigeration systems

Carefully packaged in our unique moisture barrier dispensing containers and in our hermetic cartridges, Glo-Leak® UV for A/C contain no added solvents, and will work brilliantly with a good UVA 365, UV400 tracer lamp.

Primaltec produces a full range of hand held UV light sources.

Glo-Leak® UV can be injected into a pressurised A/C, even while it is operating, or added via the A/C service machine. Primaltec's patented hermetic Concertina cartridges are ideal for this.



## Nitro Trace and Nitro test pressure leak testing systems

Pressure leak testing kits for refrigerant systems traditionally use oxygen free nitrogen (OFN).

Primalec now offers NitroTrace, a blend of OFN with electronically detectable

hydrogen. This 3-in-1 method

means you can detect leaks by pressure drop and find them with a Spray Test solution as well as with a Leaktronic-3H sensor (AC2640A).



## Leaktronic Refrigerant sensors

Sniff out the leaking refrigerant (or hydrogen atoms in NitroTrace) and give both audible and visible signals in the presence of the relevant gas. The closer you get to the leak the more urgent Leaktronic's response becomes.

Three models are available. AC2400 is the base model. AC2440A has additional features, including a numeric leak size indicator display, and flashing tip. Both models use the same sensing technology. AC2640A is for detecting NitroTrace and other hydrogen active tracer gases.



## USX-2

USX-2 allows you to hear inaudible ultrasonic frequencies that are a tell-tale early sign of developing faults and minor leaks. Better to spot and fix minor faults before they become problematic.



Its wide range of diagnostic uses it helps you to detect:-

- Leaks in Air conditioners, Air Brakes & Tyres, Compressed air lines
- Rainwater leaks through bodywork, door, window and bot lid seals, etc.
- Mechanical Wear in bearings, shafts, gears, cam and tappet assemblies
- Ultrasonic parking sensors
- Vacuum leaks
- Electrical discharge due to insulation breakdown
- Cracks and leaks in sealed containers
- Fuel system flows
- High pressure steam leakage

...and much more



## Refrigerant ID and analysis



Accurate identification and analysis of the refrigerant each time you service a system will help you to diagnose and correct poor cooling performance, enhancing the quality of your work. As well as giving you a competitive edge, you can also prevent cross contamination and protect your valuable A/C service equipment.

These portable Ultima ID Refrigerant analysers give you the solution.

### Valve core and cap renewal set

Renewing valve cores and caps on the service ports is now very easy with this valve core renewal set. You can even change the valve cores on a pressurised system while it is operating. We also supply the full range of valve cores and caps.



### Airco Seal Pro

The original leak repair chemical for older mobile AC systems. It forms a permanent seal in metal and elastomeric components to make an A/C repair when replacing the faulty component would be economically unviable. Available in 2 sizes.

### Superseal

The same sealant chemistry as Airco Seal pro, but formulated for static HVACR refrigeration systems. Available in 3 sizes.



## Selection chart for mobile air conditioners

Refrigerant Type	Mobile Air Conditioner Compressor Type	Oil Type	Recommended Glo-Leak® Types		Leaktronic Types	Nitro Trace	USX-2
R134a (HFC)	Belt driven	PAG 46	GL1284	GL1234	Leaktronic™-1 AC2400 or Leaktronic™-2 AC2440A	Compatible	Compatible
		PAG 100	GL1284	GL1234			
		PAG 150	GL1284	GL1234			
	Electric	HFO-PAG46e	-	GL1234			
		HFO-PAG100e	-	GL1234			
R1234yf (HFO)	Belt driven	HFO-PAG46e	-	GL1234			
		HFO-PAG100e	-	GL1234			
		HFO-POE	-	GL1234			
	Electric	HFO-PAG46e	-	GL1234			
		HFO-PAG100e	-	GL1234			

*Glo-Leak 1234 is blended to suit the particular stability requirements of HFO-1234yf and the di-electric criteria for electric compressors. It is used at low dosage rates, minimising the amount of additive required.*

*For Nitro Trace N2H tracer gas, use AC2640A Leaktronic-3 or AC2686 Leaktronic-4*

## Some of the customers who benefit from Primalec's leak control solutions



Nettlestead Green, Nr. Maidstone, Kent ME18 5HD, England.  
 Tel: +44 (0)1622 816955 Fax: +44 (0)1622 816110  
 customers@primalec.co.uk

**PRIMALEC** [www.primalec.com](http://www.primalec.com)