

# Agilent Leak Detector Service Programs

Fix, upgrade, maintain, protect and learn



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# Helium Leak Detector Repair, Preventative Maintenance, Service Plans and Application Support

Even the best equipment needs a tune up occasionally and Agilent has a service option to meet your needs and budget. Application support and training are also available to help increase productivity and ensure optimal leak detector operation. Whether you have a need for service or help with proper fixturing, leak rate, or test methodology, we can help you.



## Repair, exchange, and spare parts

Let Agilent's factory-trained service engineers repair and maintain your leak detector using genuine factory parts. Our service engineers will ensure your leak detector is running properly and has the most up-to-date software. You can ship your leak detector to an Agilent service center for repair, have it repaired at your location or you can buy parts to repair it yourself.

## Upgrades

Trade up cost-effectively from any manufacturer's old, discontinued, or difficult to use leak detector to the newest helium leak detection (HLD) technology. The Agilent HLD series offers an easy-to-use touch screen interface, oil-free/dry pumping options, and automatic calibration with an internal calibrated reference leak. Agilent has the right leak detector model to fit any application.



## Service contracts and agreements

Protect your Agilent helium leak detector with a service contract and get peace of mind. Agilent factory-trained technicians will perform annual preventative maintenance procedures with the latest software upgrades and repair your leak detector using genuine factory parts as needed. As a service contract holder, you get unlimited technical support via phone, chat, or email.

## Application and training

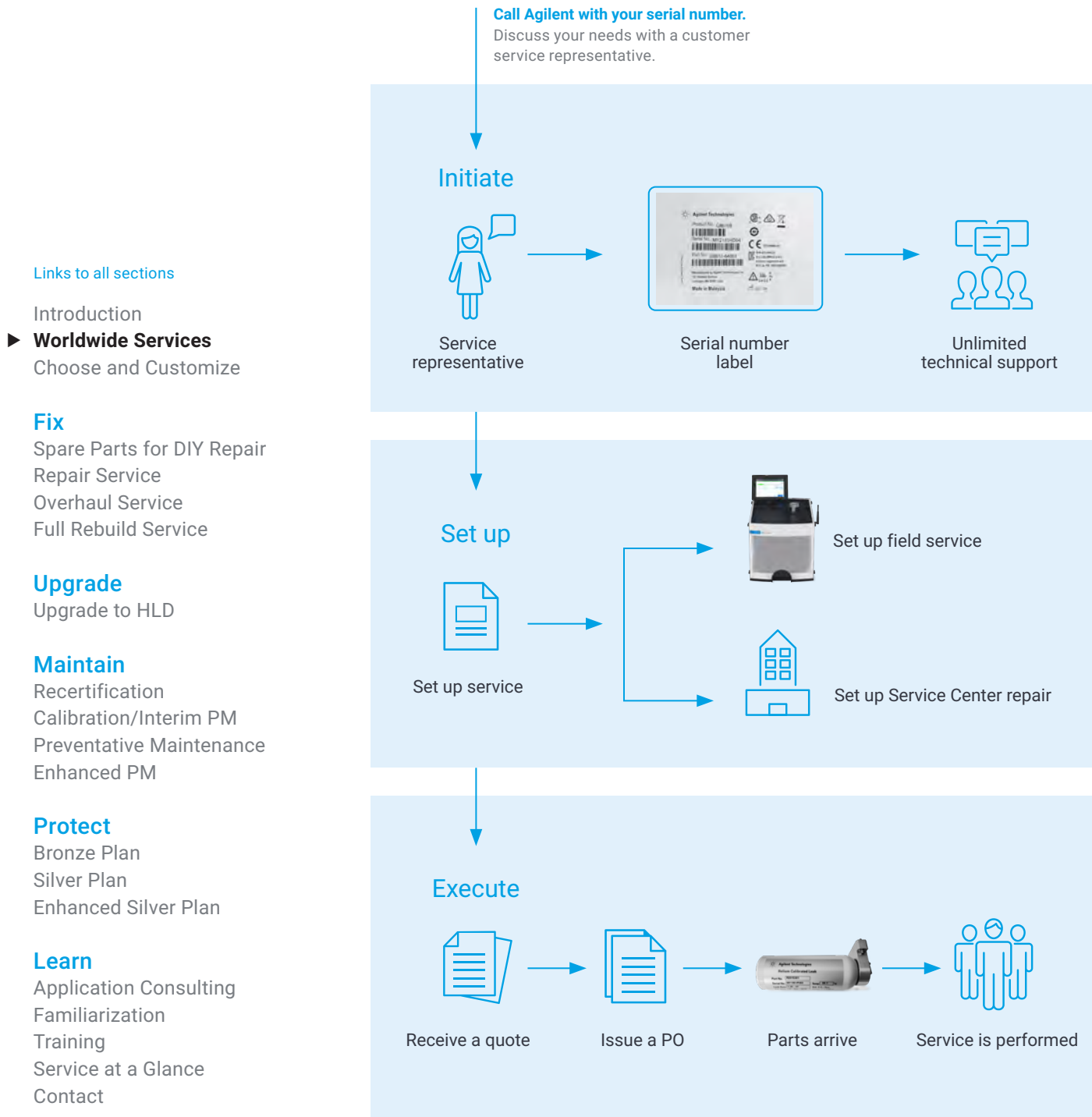
Whether you are just starting to use a helium leak detector or are an experienced user looking for a deeper understanding of leak detection technology and techniques, Agilent can provide basic or customized training and support. Training is offered in multiple formats to fit your needs, including at your site, at an Agilent location, or online.



Agilent service plans support HLD, VS, 959, and legacy units

## Agilent Worldwide Service Organization

Agilent is a global company with factory trained service centers and field service engineers located on four continents. For repair, support, maintenance, or customized service, contact us to keep your helium leak detector up and running.



## Helping You Find the Right Solution



### Worldwide Service Centers

Agilent has major service centers around the world that can economically service your Agilent or Varian helium leak detector. Factory trained service technicians can restore your leak detector with genuine factory parts.

### Service at your site

Field Service Engineers located worldwide are available to visit your site to keep your equipment up and running. Onsite services include preventative maintenance, calibration, repairs, software upgrades and troubleshooting.

## Choose and Customize

Choose and combine service options to customize your support plan. Call us and we can help you design a support plan based on your specific needs.



### Options for your new HLD unit

Flexibility to mix and match service products, training and coverage to go with your new leak detector.

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### Mix and match



## Choose and Customize



### Options for your current leak detector

Maintain, protect, repair, or even upgrade your existing leak detector to ensure optimal performance. We can help you select the ideal service coverage for your evolving needs.

### Choose and customize





# Spare Parts for Do It Yourself Repair



For Do It Yourself Repairs, genuine factory spare parts are available to perform regular preventative maintenance and necessary repairs to ensure that the leak detector is restored to an optimal operating condition. Chat with our experts to select the right parts.

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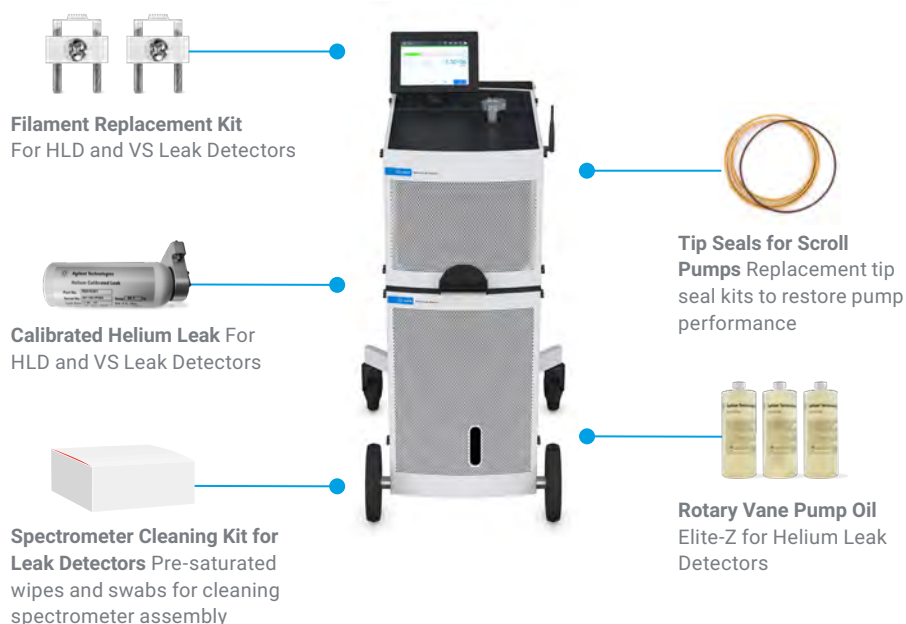
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## Supported models

Agilent HLD, VS Series and 959



Overview	
Leak detector models	HLD, VS, 959
Service location	Delivered to customer site
Technical ordering assistance	Agilent Contact Centers
Warranty	3 months





## Spare Parts for Do It Yourself Repair

### Support

Call or chat with Agilent Technical Support to select the correct parts for your leak detector model.



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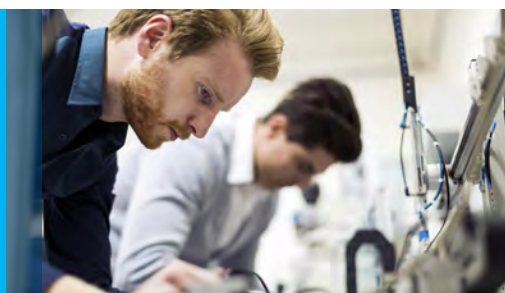
**OEM parts for the Agilent HLD and VS.** Common parts for do it yourself maintenance are listed below. Additional parts available; please contact Agilent.

Part Number	Description	IDP-3	TS 620	IDP-15	DS 40M	DS 602
695409005	Rotary Vane Pump Oil, Elite-Z, 1L				•	•
VSFLDOV	Valve Block O-ring Kit for Helium Leak Detectors (HLD)	•	•	•	•	•
IDP3TS	Tip seal replacement kit, IDP-3 scroll pump	•				
X3815-67000	Tip seal replacement kit, IDP-15 scroll pump			•		
VSFLDHFR	Filament replacement kit for VS and HLD Leak Detector (2 filaments included)	•	•	•	•	•
670029096	Cleaning kit, for vacuum and spectrometer tube	•	•	•	•	•
VSFLDCL	HLD and VS series calibrated leak replacement	•	•	•	•	•

**OEM parts for the Agilent/Varian 959 Helium Leak Detector.** Common parts for do it yourself maintenance are listed below. For additional parts, please contact Agilent.

Part Number	Description	Wet	Dry
82850302	Ion source, dual thoriated iridium filaments	•	•
670029096	Cleaning kit, for vacuum and spectrometer tube	•	•
695409005	Rotary Vane Pump Oil, Elite-Z, 1L	•	

# Repair Service



Repair Service is required when the leak detector is not functioning because of helium spectrometer related issues. Typical symptoms that trigger a repair are burned out filaments, a “gain too high” error message, or leaks that prevent the system from calibrating. Under this predefined service the vacuum system of the leak detector is cleaned, and filaments, metal seals, and o-rings are replaced.

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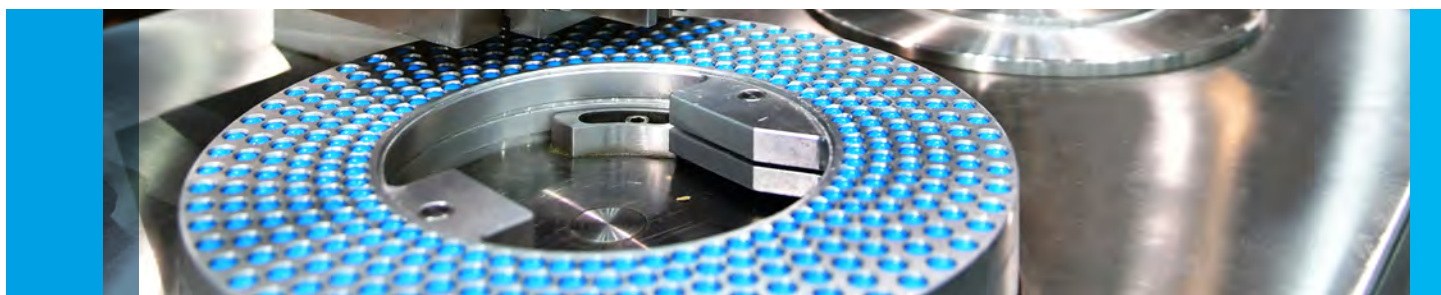
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## Supported models

Agilent HLD, VS Series and 959

Overview	
Leak detector models	HLD, VS, 959
Service location	Service center, customer site
New calibrated leak and recertification	Included
Full vacuum system maintenance and filament replacement	Included
Minor maintenance on foreline pumps	Tip seals or oil change



## Repair Service

### Services performed

- Replacement of ion source and filaments
- Replacement of the internal calibrated leak. Includes ISO traceable certificate
- New o-rings and seals
- Minor maintenance of the foreline pump. Includes oil change (wet models) or tip seal and membrane change (PD03 and MD/BD15)
- Complete inspection and cleaning of spectrometer, valve block and manifold
- Verification of vacuum system integrity, helium sensitivity and system calibration

### Additional service terms

#### Travel and logistical terms

##### At Customer Site:

- Travel charges apply based on customer location
- Local service may not be available in all locations. Contact local Agilent representative for details.

##### At Service Center:

- Customer is responsible for freight cost to factory
- Return shipping charges are dependent on location
- Shipping materials can be provided for a nominal cost

#### Limitations and exclusions

Does not cover:

- Turbo pump or foreline pump repair
- Electronics or touch screen replacement
- Replacement of external calibrated leak
- Structural or cosmetic parts, or parts not listed in "Services performed"



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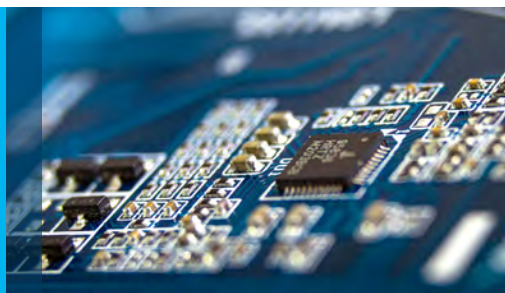
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# Overhaul Service



An Overhaul Service is necessary when the leak detector is not functioning and needs more work than is covered by a Repair Service. Typically, this is required when either the turbo or foreline pump has failed. During an overhaul service, the leak detector is completely dismantled, the defective pump is replaced, any failed electronic PCBs are changed, and a new internal calibrated leak is installed.

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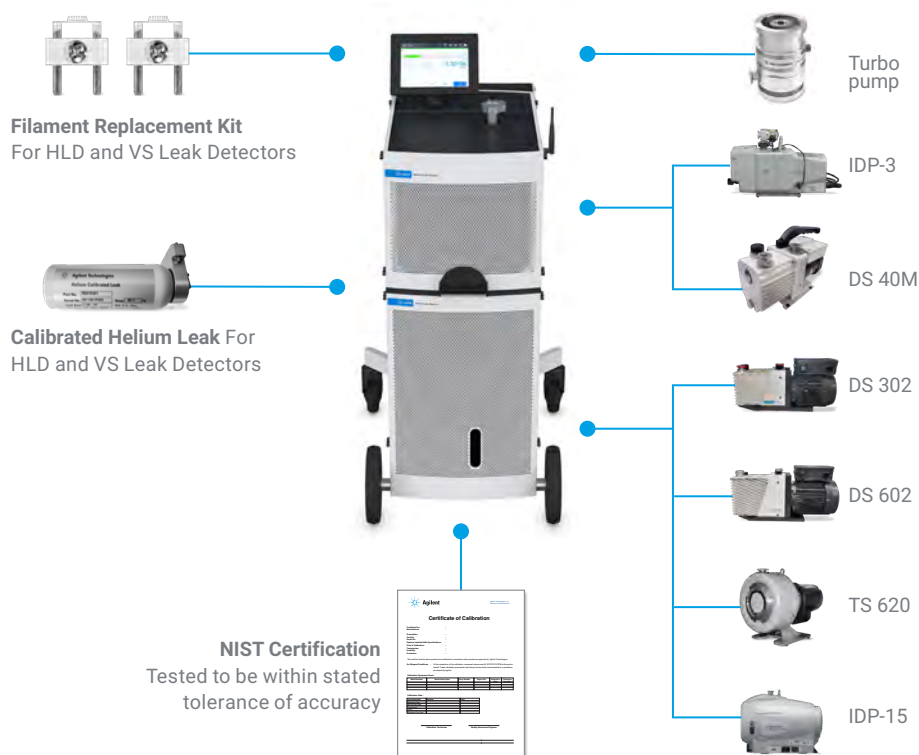
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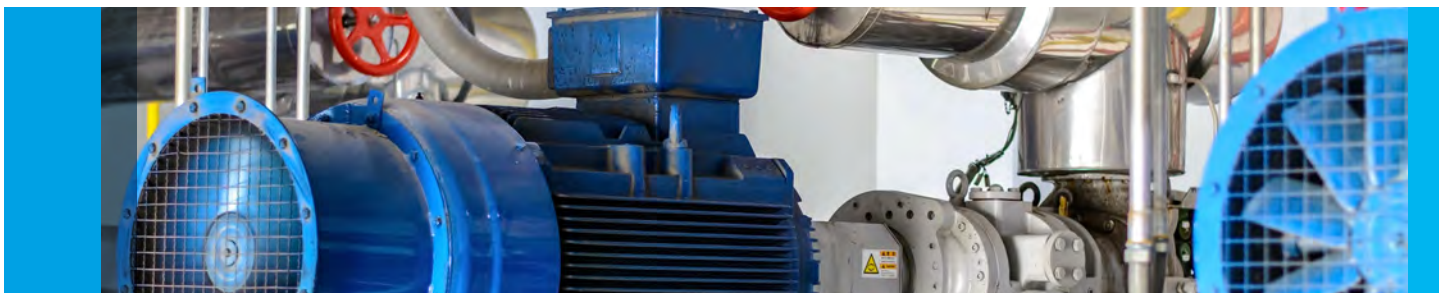
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Service location	Service center, customer site
New calibrated leak and recertification	Included
Full vacuum system maintenance and filament replacement	Included
Replacement of turbo or foreline pump	Included
All necessary hardware and software updates	Included
Replacement of any failed PCB	Included



## Overhaul Service

### Services performed

- Replacement or full service/rebuild of the turbo or foreline pump
- Replacement of non-functioning components (electronics, valves, etc.) as needed
- Replacement of ion source and filaments
- Replacement of the internal calibrated leak. Comes with an ISO traceable certificate
- New o-rings and seals
- Minor maintenance of the foreline pump. Includes oil change (wet models) or tip seal and membrane change (PD03 and MD/BD15)
- Complete inspection and cleaning of spectrometer, valve block and manifold
- Verification of vacuum system integrity, helium sensitivity and system calibration

### Additional service terms

#### Travel and logistical terms

##### At Customer Site:

- Travel charges apply based on customer location
- Local service may not be available in all locations. Contact local Agilent representative for details.

##### At Service Center:

- Customer is responsible for freight cost to factory
- Return shipping charges are dependent on location
- Shipping materials can be provided for a nominal cost

#### Limitations and exclusions

Does not cover:

- Failure of more than one of the pumps
- A full rebuild of the instrument
- Structural or cosmetic parts, or parts not listed in "Services performed"



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# Full Rebuild Service



A Full Rebuild Service is necessary when the leak detector has a major failure and both the turbo and foreline pumps must be replaced. Agilent's technical support team can help you determine whether an overhaul or full rebuild is required. During a full rebuild, the leak detector is completely dismantled, both pumps are replaced, any failed components are changed, and a new internal calibrated leak is cleaned and installed.

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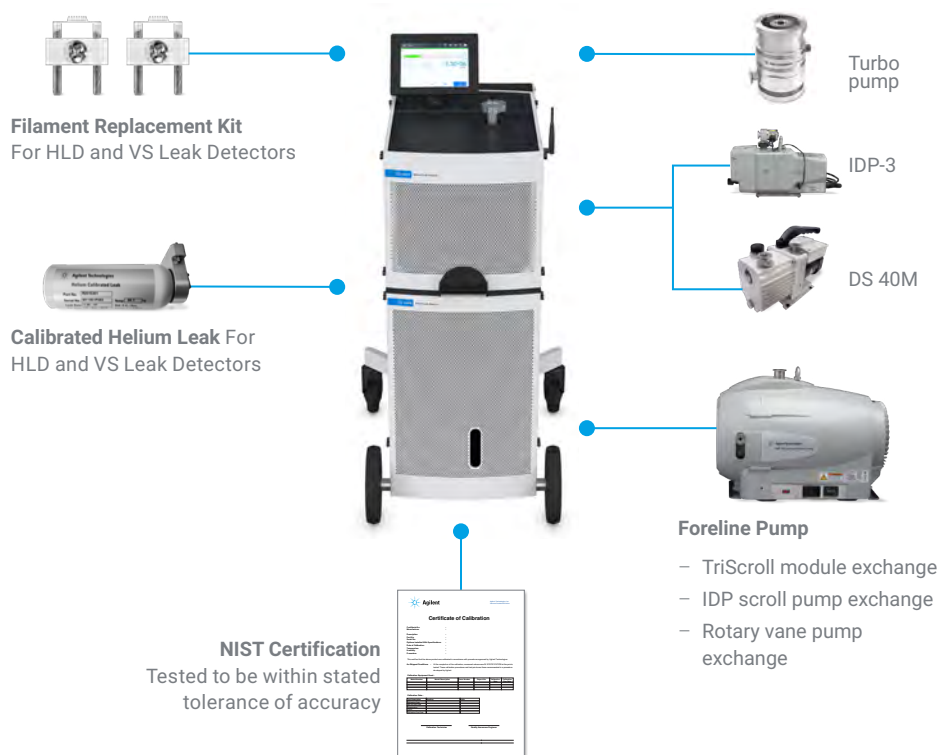
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Service location	Service center
New calibrated leak and recertification	Included
Full vacuum system maintenance and filament replacement	Included
Replacement of turbo and foreline pump	Included
All necessary hardware and software updates	Included
Replacement of any failed PCB	Included



## Full Rebuild Service

### Services performed

- Replacement or full service/rebuild of the and foreline pump
- Replacement of non-functioning components (electronics, valves, etc.) as needed
- Replacement of ion source and filaments
- Replacement of the internal calibrated leak. Comes with an ISO traceable certificate
- New o-rings and seals
- Complete inspection and cleaning of spectrometer, valve block and manifold
- Verification of vacuum system integrity, helium sensitivity and system calibration

### Additional service terms

#### Travel and logistical terms

- Performed at Service Center only
- Customer is responsible for freight cost to factory
- Return shipping charges are dependent on location
- Shipping materials can be provided for a nominal cost

#### Limitations and exclusions

- Replacement of external calibrated leak not included
- Legacy models repaired based on parts availability



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## Upgrade to HLD



When an older leak detector is obsolete, cost-prohibitive to repair, or difficult to use, trade up to the latest technology through Agilent's technology refresh program. The HLD series offers an easy-to-use touch screen interface, oil-free/dry pumping options, and automatic calibration with an internal calibrated reference leak. Ten configurations are available to meet a wide range of leak detection requirements including mobile, portable and bench top models.

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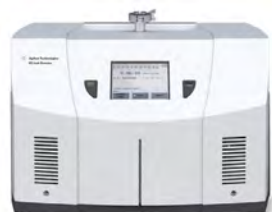
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### Upgrade your current leak detector

Agilent offers you a cost-effective way to trade up from any manufacturer's old, discontinued, or difficult to use leak detector.



Agilent/Varian 959 Series Leak Detector  
Manufactured between 1991 and 2016



Agilent/Varian VS Series Leak Detector  
Manufactured between 2006 and 2018



HLD Portable Helium Leak Detector  
Current series



### Helium mass spectrometer leak detectors

Don't see your model? All legacy models are considered for trade-in towards a new Agilent HLD leak detector. Contact Agilent for assistance.



## Upgrade to HLD

### Upgrade advantages

- Trade in outdated equipment and upgrade to the latest technology, featuring an intuitive touch screen user interface
- Easy calibration and setup allows operators to get up and running quickly
- 24 month factory warranty
- Option to extend the warranty up to 5 years with an Agilent service contract
- Serviceability and spare parts for 10 years
- Take the opportunity to go green by switching from an oil sealed rotary vane pump to a dry scroll pump
- Dry scroll pumps maintain system cleanliness and workspace air quality, and eliminate the need for oil disposal



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#### HLD Wireless Remote Control for Leak Detectors

Leaks in large systems often occur far from the leak detector. By utilizing modern wireless technology, leak testing hard-to-reach locations is now much easier and can be performed at much greater distances—up to 100 meters, far superior to Bluetooth devices.

# Recertification

Maintain leak detector calibration with a replacement helium calibrated leak and NIST traceable certificate. Recertification is designed for customers who need to maintain calibration records for their instruments due to ISO standards, or other internal process controls. A replacement leak can be self-installed onsite or installed by Agilent service at a Service Center.

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Leak detector models	HLD, VS
Service location	Service center, customer site
New calibrated leak and recertification	Included



## Recertification

### Services performed

- Guided replacement of calibrated leak by technical support, or service performed by Service Center
- Provide NIST traceable certificate for calibrated leak.
- 90-day warranty following service date

### Additional service terms

#### Travel and logistical terms

##### At Service Center:

- Customer is responsible for freight cost to factory
- Return shipping charges are dependent on location
- Shipping materials can be provided for a nominal cost



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# Calibration and Interim Preventative Maintenance



The Calibration/Interim PM Service is designed for customers who want a leak detector health check and who need to maintain calibration records for their instruments due to ISO standards, or other internal process controls, and want a trained technician to perform the service. This can be performed onsite or at an Agilent Service Center.

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Service location	Service center, customer site
New calibrated leak and recertification	Included





## Calibration and Interim Preventative Maintenance

### Services performed

- Replacement of helium calibrated leak and verification of leak detector performance
- Minor maintenance of the rotary vane pump. Includes oil and filter change
- Performed onsite or at Agilent Service Center
- ISO traceable certificate for calibrated leak provided
- 90-day warranty following service date

### Additional service terms

#### Travel and logistical terms

##### At Customer Site:

- Travel charges apply based on customer location
- Local service may not be available in all locations. Contact local Agilent representative for details.

##### At Service Center:

- Customer is responsible for freight cost to factory
- Return shipping charges are dependent on location
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# Preventative Maintenance



Avoid unplanned downtime and costly repairs with regularly scheduled preventative maintenance (PM) service to maintain proper leak detector operation and up-to-date certification. Preventative Maintenance service includes disassembly, inspection, and cleaning of the spectrometer and valve block assembly. During this process all consumable items are replaced, including filaments, gaskets, and tip seals/oil. The internal calibrated leak is changed, and the instrument is reassembled and tested to meet performance specifications.

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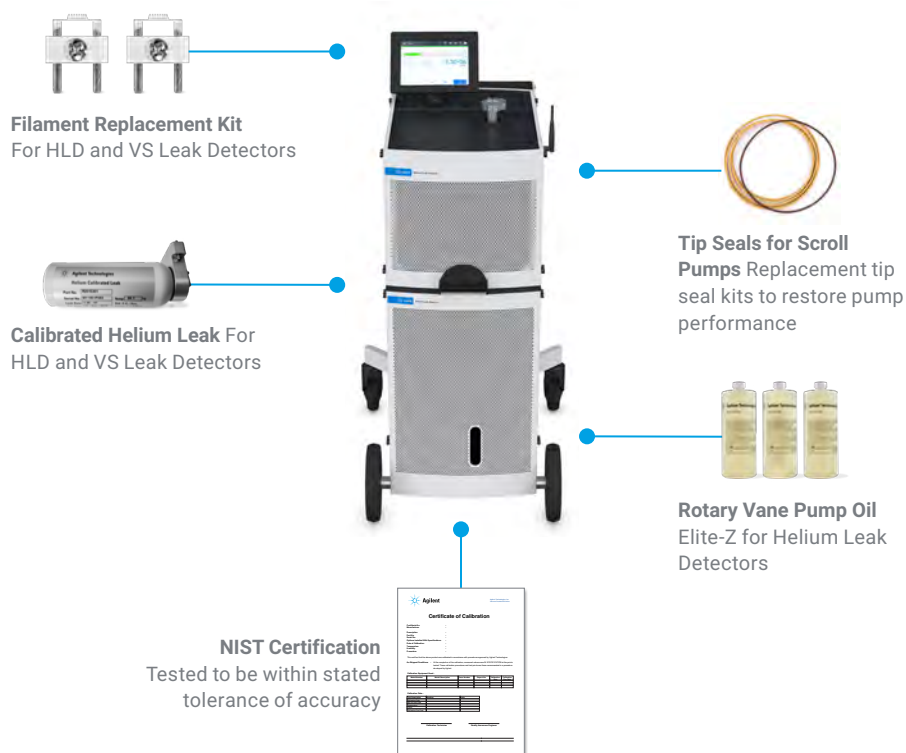
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Service location	Service center, customer site
New calibrated leak and recertification	Included
Disassembly and cleaning	Included
Full vacuum system maintenance and filament replacement	Included
Discounts available for multiple scheduled PMs	Included





## Preventative Maintenance

### Services performed

- Replacement of ion source and filaments
- Replacement of internal calibrated leak. Includes ISO traceable certificate.
- New o-rings and seals
- Tip seal replacement (PD03 and MD/BD15)
- Diaphragm pump maintenance
- Rotary vane pump oil change
- Complete inspection and cleaning of spectrometer, valve block and manifold
- Verification of vacuum system integrity, helium sensitivity and system calibration
- 90-day warranty following service date covering parts and labor

### Additional service terms

#### Travel and logistical terms

##### At Customer Site:

- Travel charges apply based on customer location
- Local service may not be available in all locations. Contact local Agilent representative for details.

##### At Service Center:

- Customer is responsible for freight cost to factory
- Return shipping charges are dependent on location
- Shipping materials can be provided for a nominal cost

#### Limitations and exclusions

- Damage or failure caused by inappropriate use of the instrument



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# Enhanced Preventative Maintenance



Avoid unplanned downtime and costly repairs with regularly scheduled preventative maintenance service to maintain proper leak detector operation and up-to-date certification. Enhanced Preventative Maintenance provides the same coverage as the regular PM plus a preventative foreline pump replacement. This includes TriScroll module exchange, IDP scroll pump exchange, or rotary vane pump exchange during the PM service.

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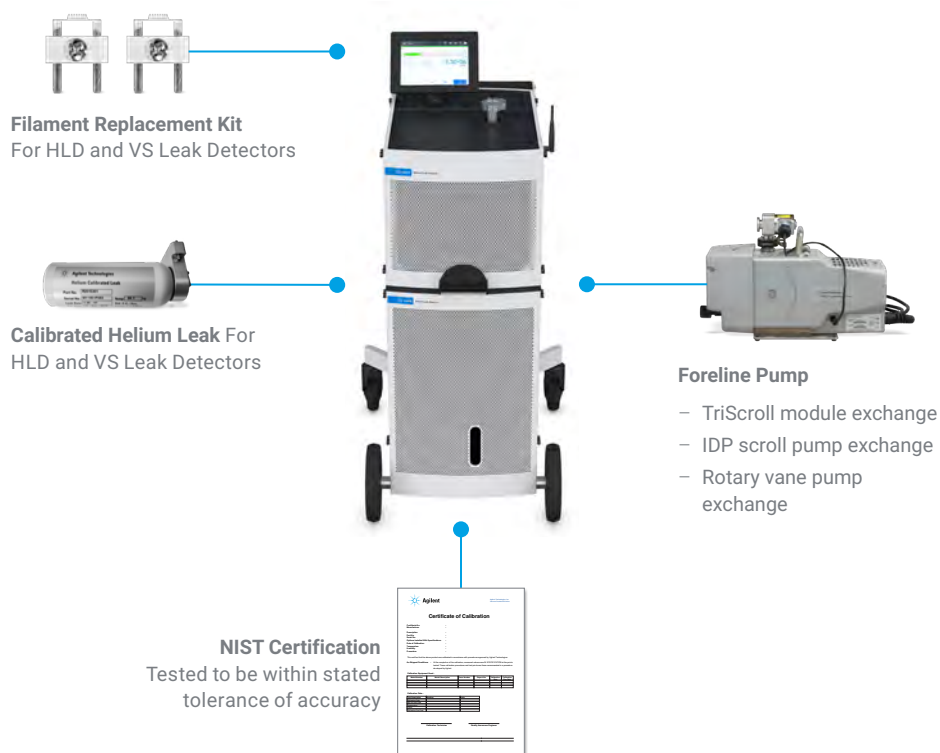
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Disassembly and cleaning	Included
Full vacuum system maintenance and filament replacement	Included
Discounts available for multiple scheduled PMs	Included



## Enhanced Preventative Maintenance

### Services performed

- Replacement of ion source and filaments
- Replacement of internal calibrated leak. Includes ISO traceable certificate.
- New o-rings and seals
- Diaphragm pump maintenance
- Replacement of foreline pump
- Complete inspection and cleaning of spectrometer, valve block and manifold
- Verification of vacuum system integrity, helium sensitivity and system calibration
- 90-day warranty following service date covering parts and labor

### Additional service terms

#### Travel and logistical terms

##### At Customer Site:

- Travel charges apply based on customer location
- Local service may not be available in all locations. Contact local Agilent representative for details.

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- Customer is responsible for freight cost to factory
- Return shipping charges are dependent on location
- Shipping materials can be provided for a nominal cost

#### Limitations and exclusions

- Damage or failure caused by inappropriate use of the instrument



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# Bronze Plan



The Bronze contract is for users who use their Leak Detector infrequently in low demand applications. This agreement extends the factory warranty for one year and covers non-consumable parts in case of failure, and can be added at the time of Leak Detector purchase or within first year of ownership.

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Choose and Customize

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Full Rebuild Service

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## Maintain

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Calibration/Interim PM  
Preventative Maintenance  
Enhanced PM

## Protect

### ► Bronze Plan

Silver Plan  
Enhanced Silver Plan

## Learn

Application Consulting  
Familiarization  
Training  
Service at a Glance  
Contact



Overview	
Leak detector models	HLD
Service location	Service center, customer site
Additional 1-year warranty coverage	Included
Unlimited technical support	Included
Maintenance service visit	Not included
New calibrated leak and recertification	Not included



## Bronze Plan

### Services included

- Full factory warranty coverage, parts and labor
- Unlimited telephone and email technical support and assistance

### Additional service terms

#### Travel and logistical terms

##### At Service Center:

- Customer is responsible for freight cost to factory
- Return shipping charges are dependent on location
- Shipping materials can be provided for a nominal cost

#### Limitations and exclusions

- Damage or failure caused by inappropriate use of the instrument
- Consumable parts such as oil, tip seals, calibrated leaks or filaments



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# Silver Plan

The Silver Contract is the recommended solution for applications that cannot afford downtime due to unplanned maintenance needs. This one-year, renewable agreement provides priority support and ensures continuous high-performance operation. In addition to the extended warranty coverage the support contract includes a yearly preventative maintenance with standard calibrated leak replacement to ensure as-new performance and standards compliance.

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## Protect

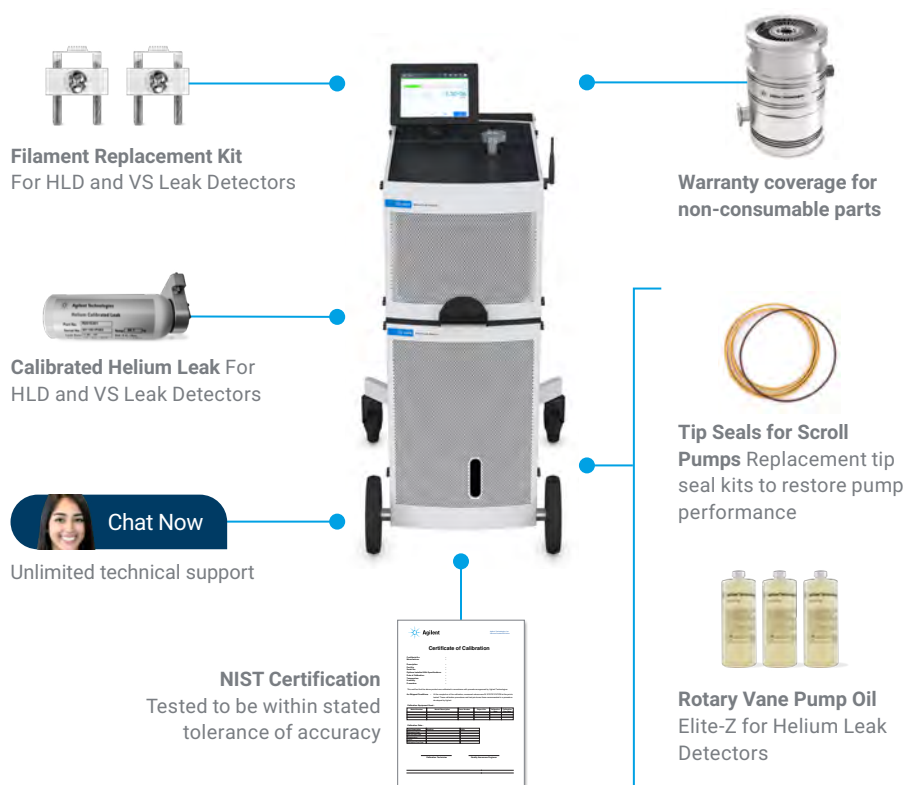
Bronze Plan

## ► Silver Plan

Enhanced Silver Plan

## Learn

Application Consulting  
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Contact



Overview	
Leak detector models	HLD, VS
Service location	Service center, customer site
Additional 1-year warranty coverage	Included
Unlimited technical support	Included
Annual preventative maintenance service	Included
New calibrated leak and recertification	Included



## Silver Plan

### Services included

- Full warranty coverage for parts and labor
- Unlimited telephone and email technical support and assistance
- All software updates and necessary hardware changes since product release are installed

### One preventative maintenance service per year

- Tip seal replacement for IDP pumps (PD03 and MD/BD15)
- Change foreline pump oil (oil-sealed pumps)
- Replacement of ion source and filaments
- Replacement of calibrated leak with ISO traceable certificate
- Complete inspection and cleaning of spectrometer, valve block and manifold
- New o-rings and seals
- Diaphragm pump maintenance
- Verification of vacuum system integrity, helium sensitivity and system calibration

### Additional service terms

#### Travel and logistical terms

##### At Customer Site:

- Travel charges apply based on customer location
- Local service may not be available in all locations. Contact local Agilent representative for details.

##### At Service Center:

- Customer is responsible for freight cost to factory
- Return shipping charges are dependent on location
- Shipping materials can be provided for a nominal cost

#### Limitations and exclusions

- Damage or failure caused by inappropriate use of the instrument



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# Enhanced Silver Plan



The Enhanced Silver contract is the best fit for critical applications to ensure that the leak detector, including the scroll or rotary vane pump, is serviced on a regular basis to avoid unplanned downtime. This agreement offers the same coverage as the Silver Plan plus preventative foreline pump replacement (TriScroll module exchange, IDP scroll pump exchange, or rotary vane pump exchange). The instrument remains under warranty, and Agilent performs scheduled preventative maintenance during the contract period.

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Enhanced PM

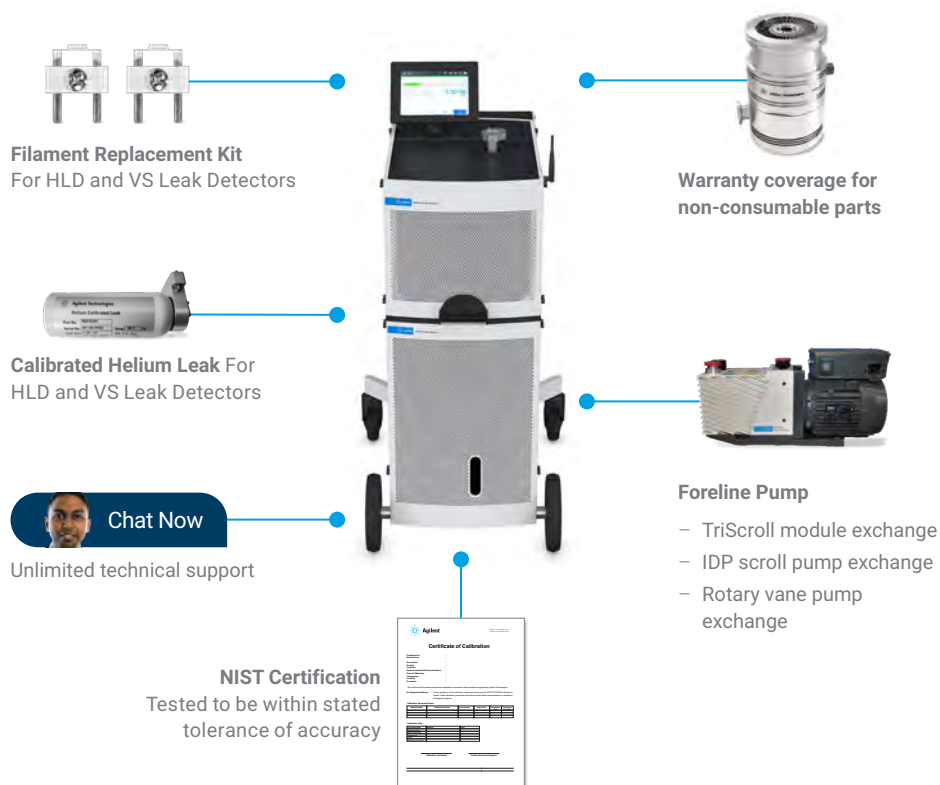
## Protect

Bronze Plan  
Silver Plan

## ► Enhanced Silver Plan

## Learn

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Overview	
Leak detector models	HLD, VS
Service location	Service center, customer site
Additional 1-year warranty coverage	Included
Unlimited technical support	Included
Annual preventative maintenance service	Included
New calibrated leak and recertification	Included
Foreline pump exchange	Included



## Enhanced Silver Plan

### Services included

- Full warranty coverage for parts and labor
- Unlimited telephone and email technical support and assistance
- All software updates and necessary hardware changes since product release are installed

### One preventative maintenance service per year

- Exchange of foreline pump or pump module
- Replacement of ion source and filaments
- Replacement of calibrated leak with ISO traceable certificate
- Complete inspection and cleaning of spectrometer, valve block and manifold
- New O-rings and seals
- Diaphragm pump maintenance
- Verification of vacuum system integrity, helium sensitivity and system calibration

### Additional service terms

#### Travel and logistical terms

##### At Customer Site:

- Travel charges apply based on customer location
- Local service may not be available in all locations. Contact local Agilent representative for details.

##### At Service Center:

- Customer is responsible for freight cost to factory
- Return shipping charges are dependent on location
- Shipping materials can be provided for a nominal cost

#### Limitations and exclusions

- Damage or failure caused by inappropriate use of the instrument



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## Application Consulting, Familiarization, Training



Whether you are just starting to use a helium leak detector or are an experienced user looking for a deeper understanding of leak detection technology and techniques, Agilent can provide customized training and support. Designing your test method and operating your leak detector properly are key elements in successfully maintaining the quality of your products or process. Agilent offers training in multiple formats to fit your needs, including at your site, at an Agilent location, or online.

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### **Techniques for optimal performance and efficiency**

These are three application setups that help users correctly configure their instrument for the best performance:

#### **Helium Spraying**

Connect test object to leak detector and spray helium to find leak using "outside-in" method.



#### **Flapper Box**

Allows testing of small helium-filled parts using an automated test sequence.



#### **Helium Sniffing**

Connect sniffer probe to leak detector to sniff helium-filled part using "inside-out" method.



# Application Consulting, Familiarization, Training

## Application consulting

Agilent sales and applications engineers have a wealth of leak detection experience. We can help you determine the right leak detector and test method to solve your problem with virtual or onsite consultations.

With experience in leak checking applications ranging from power plants to pacemakers, application engineers can help establish the proper process for leak testing whether you need to locate leaks in your vacuum system or meet an established leak standard for quality.

## Familiarization

After purchasing a leak detector, our sales engineers will help you become familiar with your leak detector and its operation.

We will go over proper setup, installation and fixturing to test your components or locate leaks in your system and will give you full confidence in your operating procedures.

This can be done onsite or virtually to help you understand the basics of helium leak detection and be successful from the start.

## Training

Agilent has a rich curriculum of leak detection training, webinars and reference materials.

Basic Vacuum Practice and Leak Detection courses help teach the fundamentals of vacuum and leak detection in a classroom setting with additional hands-on instruction. Single or multi-day courses with an experienced Agilent Application Engineer are available.

Custom onsite leak detector training can be booked to specifically teach to your applications or challenges. Length of the training and number of attendees can be adjusted to fit your needs.

Agilent has a growing library of on-demand and live webinars that cover the basics of helium leak detection as well as specific sessions presenting best practices and methods for common applications.



Chat Now

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## Service at a Glance



Agilent understands how important a leak detector can be to your business. We also realize that with regular and routine maintenance a leak detector can have a lifetime of a decade or more. Agilent has a service offering that will help you keep your leak detector performing like new no matter where in the world you are located. You can choose to simply do maintenance on an as needed basis, buy a contract to cover your unit for up to 5 years, or buy parts to maintain the unit yourself.

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Small Parts Manufacturing



Automotive



Power Generation



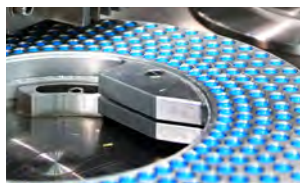
Pharmaceutical Production



Semiconductor Production



Vacuum Pumps



Healthcare



High Energy Physics



Aeronautics



Hydraulic Equipment



Tubular Refrigeration



Food and Beverage



Processing Piping and Valves



Industrial Pressure Vessels



Vacuum Chambers

## Service at a Glance

Service Description	Fix			Maintain				Protect		
	Repair	Overhaul	Full Rebuild	Re-Certification	Calibration/Interim PM	PM	Enhanced PM	Bronze Plan	Silver Plan	Enhanced Silver Plan
Preventive maintenance	●	●	●			●	●		●	●
Replace failed component (non-consumable)		●	●					●	●	●
Replace calibrated leak <sup>3</sup>	●	●	●	●	●	●	●		●	●
Calibration certificate <sup>3</sup>	●	●	●	●	●	●	●		●	●
Software updates	●	●	●	●	●	●	●		●	●
Hardware updates		●	●						●	●
Clean and inspect spectrometer	●	●	●			●	●		●	●
Clean and inspect valve block and manifold	●	●	●			●	●		●	●
Replace ion source filaments	●	●	●			●	●		●	●
New o-rings and seal	●	●	●			●	●		●	●
Tip seal replacement <sup>1</sup>	●	●	●			●	●		●	●
Scroll module or pump replacement <sup>2</sup>			●				●			●
Change rotary vane pump oil <sup>1</sup>	●	●	●		●	●	●		●	●
Diaphragm pump maintenance <sup>1</sup>	●	●	●			●	●		●	●
Verify operation	●	●	●	●	●	●	●		●	●
Unlimited technical support	●	●	●	●	●	●	●	●	●	●
Warranty extension	90 days	90 days	90 days	90 days	90 days	90 days	90 days	1 year	1 year	1 year
Models covered	HLD, VS, 959, 979	HLD, VS, 959, 979	HLD, VS, 959, 979	HLD, VS	HLD, VS	HLD, VS	HLD, VS	HLD	HLD, VS	HLD, VS
Service center based	●	●	●	●	●	●	●	●	●	●
Onsite	HLD, VS	HLD, VS		Virtual	●	●	●		●	●
Purchased	As required	As required	As required	As required	As required	As required	As required	Before warranty ends	As required and renewable	As required and renewable
Coverage begins	After work performed	After work performed	After work performed	After work performed	After work performed	After work performed	After work performed	When warranty ends	When warranty ends/after contract PM	When warranty ends/after contract PM
Terms in years								1 year	1-5 years	1-5 years

<sup>1</sup> Dependent on pump configuration: included for IDP-3, IDP-15 or oil change included for DS 40M, DS 302 and DS 602

<sup>2</sup> Scroll module replacement on a TriScroll pump and pump replacement for IDP-3, IDP-15, DS 40M, DS 302, DS 602 foreline pumps

<sup>3</sup> As needed

Learn more:

[www.agilent.com/chem/vacuum](http://www.agilent.com/chem/vacuum)

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