MAHLE

ArcticPRO®

The Next Generation of Air Conditioning Service Stations.

MAHLE
Unit status: READY
Filter life status 100%
Oil pump status 80%
235 gr
5.5 bar
23 gr
23 gr
23 gr
23 gr
Refrigerant
R134A
Oil
PAG
Oil
POE
Tracer
UV
Dye
UV
AUTOMATIC
Select the vehicle for automatic value setting
MANUAL
Manually select the cycle settings
ADDITIONAL
Access additional or maintenance features
MAHLE

ArcticPRO® - The Next Degree of Performance

Built on decades of expertise in thermal management technologies and developed alongside some of the world's leading vehicle manufacturers, MAHLE has acquired a deep understanding of both current and future vehicle systems. This **engineering heritage** extends far beyond individual components, encompassing the complete thermal ecosystem and the evolving demands of modern mobility.

The same expertise has driven the development of MAHLE A/C service stations, establishing a legacy of innovation, reliability, and technological leadership. Generation after generation, each platform has been designed to anticipate **market developments** and support workshops as vehicle architectures continue to evolve.

Today's service environment demands more than the ability to complete a procedure. **Productivity, precision** and **confidence** when working on increasingly sophisticated vehicles all play a decisive role in daily operations.

ArcticPRO® Next Generation has been developed to meet these expectations.

A new platform delivering greater efficiency, intuitive operation, and readiness for the next generation of vehicle technologies.

Next Generation Starts Here

- **More Flexibility**
  Designed for today's refrigerants and ready for the technologies of tomorrow.
- **More Efficiency**
  Re-engineered technology that reduces service time and optimizes every stage of the workflow.
- **More Connectivity**
  Instant access to services, data, and information that support high-quality diagnostics and maintenance.
- **More Robustness**
  Built on decades of experience and shaped by real-world workshop feedback.
- **Greater Ease of Use**
  An intuitive user experience that simplifies daily operations and increases productivity.
- **More Multimedia Integration**
  A modern digital environment that speaks the same language as today's technicians.
- **Enhanced Serviceability**
  Engineered to simplify maintenance, updates, and long-term ownership.
- **Ready for E-Mobility**
  Designed to support the thermal management systems of electrified vehicles without compromise.

Designed to Perform.
Built to Last.

Efficiency

Designed for Maximum Productivity

Quality components, industry expertise and advanced connectivity for faster, more efficient A/C service.

Durability

Quality Engineered into Every Component

Carefully selected internal components deliver long-term performance, reliability, and operational consistency.

Usability

Built Around the User

User-friendly software, intuitive interaction, and rapid workflows ensure effortless and efficient operation.

MAHLE
R1234yf
USED
PAG

ArcticPRO® - Tech

Born from MAHLE's expertise in thermal management, **ArcticPRO® Tech** brings together advanced automation, intuitive operation, and proven reliability in a compact footprint.

Designed to optimize everyday workshop efficiency, it combines intelligent connectivity, high-performance charging technology, and seamless service workflows in a modern platform ready for conventional, hybrid, and electric vehicles.

Key Benefits

- **Fully Automatic Service Cycle**
  Complete A/C service at the touch of a button,
  Automated recovery, vacuum, leak test, and recharge procedures help reduce operator intervention while ensuring consistent service quality

- **Always Connected**
  Your workshop connected to the latest vehicle data
  Integrated Wi-Fi connectivity enables fast software and database updates, keeping the station aligned with evolving vehicle technologies.

- **Ready for Hybrid and Electric Vehicles**
  Designed for the next generation of mobility
  The adapter-free flushing system supports the specific service requirements of hybrid and electric vehicle thermal management systems.

- **Fast and Accurate Charging**
  Performance you can measure
  MAHLE's patented E^3-FILL technology delivers precise refrigerant charging and optimized service times, even under challenging ambient conditions.

Engineered For

ArcticPRO® Tech is the ideal choice for workshops looking for a **compact yet highly capable** A/C service station.

Designed for professionals who **value automation**, **ease of use**, and **reliable performance**, it provides all **the essential technologies** needed to perform high-quality air conditioning service with maximum efficiency.

MAHLE
R134a
PAG

ArcticPRO® - Advanced

ArcticPRO® Advanced has been developed for workshops seeking a **higher level of automation**, **process control**, and **operational efficiency**.

Building on the strengths of the ArcticPRO® platform, it introduces an **enhanced user experience** through a large 7" touch-screen display, integrated multimedia capabilities, and intelligent features designed to simplify daily operations.

Advanced automation reduces manual intervention, supports **consistent service quality,** and enables **technicians of all experience levels** to work with confidence and precision.

Key Benefits

Includes all **ArcticPRO® Tech** key benefits,
PLUS:

- **Enhanced Automation**
  Less operator intervention. More productive service.
  Advanced automated functions, such as the automatic purge of non-condensable gases streamline station operation, improve process consistency, and help reduce the risk of errors.

- **Multimedia Guidance**
  Information where and when it's needed.
  Integrated audio and video support provides immediate access to service information, guided procedures, and operational assistance directly on the station.

- **Greater Process Control**
  Precision throughout every service operation.
  Integrated oil scales and electronically controlled functions ensure accurate process management and consistent service quality.

Engineered For

Workshops looking for a **fully automatic and feature-rich A/C service station** that remains **simple** and **intuitive** to operate. **ArcticPRO® Advanced** is ideal for environments where **multiple technicians** use the equipment daily, providing a consistent user experience **regardless of skill level** or **prior experience**.

MAHLE
POE
UV
UV
R1234yf

ArcticPRO® - Expert

ArcticPRO® Expert has been developed for workshops that demand **maximum performance**, greater **operational flexibility** and uncompromising **service quality**.

Integrating all MAHLE's patented technologies into a single platform, it combines **advanced automation**, **real-time process monitoring** and **enhanced serviceability** to support intensive daily use.

From conventional refrigerant service to leak detection and system flushing, every function is designed to **increase efficiency**, **reduce downtime** and **elevate the standard of A/C maintenance**.

Key Benefits

Includes all **ArcticPRO® Advanced** key benefits, **PLUS**:

- **Premium Quality A/C Service**
  Engineered for Excellence in Every Service
  Advanced patented technologies, such as E³ FILL and the Oil Care System, deliver accurate, efficient, and professional service by diagnosing Schrader valve leakage, minimizing refrigerant losses, ensuring precise oil management, and preventing moisture contamination throughout the service process.

- **Serviceability by Design**
  Maintenance made faster and easier
  The OneTouch System provides immediate access to key internal components, simplifying routine service operations and reducing downtime.

- **Simplified Leak Detection**
  Find leaks faster. Work more efficiently.
  Four dedicated oil bottles, integrated UV dye management, and a dedicated nitrogen/forming gas connection provide a complete solution for hybrid and electric vehicle service, enabling faster, more reliable leak detection with minimal operator intervention.

Engineered For

Workshops that view A/C service as **part of a broader thermal comfort and climate system maintenance business**. **ArcticPRO® Expert** is designed for professionals who want to **expand service opportunities**, **increase workshop efficiency**, and deliver a **premium level of care**.

ArcticPRO
Ultimate
MAHLE
USED
R1234yf

ArcticPRO® - Ultimate

ArcticPRO® Ultimate represents the highest expression of the ArcticPRO® platform.

Developed for workshops that refuse to compromise, it combines MAHLE's most advanced automation technologies with an **exceptional user experience** and **maximum process control**.

Every detail has been engineered to accelerate operations, simplify complex procedures, and **deliver the highest standards of A/C service, diagnostics**, and **maintenance**.

From the large 10" touchscreen interface to the exclusive five-reservoir oil management system, ArcticPRO® Ultimate is designed **to help professionals work faster**, **smarter**, and **with complete confidence**.

Key Benefits

Includes all **ArcticPRO® Expert** key benefits, **PLUS**:

- **Ultimate User Experience**
  More information. Greater control.
  The large 10" touchscreen display provides instant access to service functions, guided procedures, technical information, and multimedia content through a clear and responsive interface.

- **Exclusive Fluid Management**
  Maximum flexibility for every vehicle type.
  The unique five-reservoir configuration simplifies the management of oils, UV dyes, and dedicated solutions for hybrid and electric vehicles.

- **Maximum Automation**
  More productivity. Less intervention.
  Advanced automated functions streamline workshop operations while reducing manual handling throughout the service process.

Engineered For:

Premium workshops and service centers offering comprehensive A/C service, diagnostics, and repair. **ArcticPRO® Ultimate** is the ideal choice for professionals seeking **the highest level of quality, automation**, **flexibility**, and **operational efficiency** available within the ArcticPRO® range.

A New Interface. Designed Around the Workshop.

High-Resolution Display

**The right information.
Exactly when you need it.**

A high-resolution display across the entire range, from the compact 4.3" screen to the large 10" Ultimate interface. Reliability, even under demanding daily operating conditions.

Intuitive by Design

**Faster workflows.
Fewer steps.**

Clear navigation, guided workflows and instant access to key functions minimize training needs while maintaining full process control.

Glove-Touch Technology

Built for real workshop conditions.

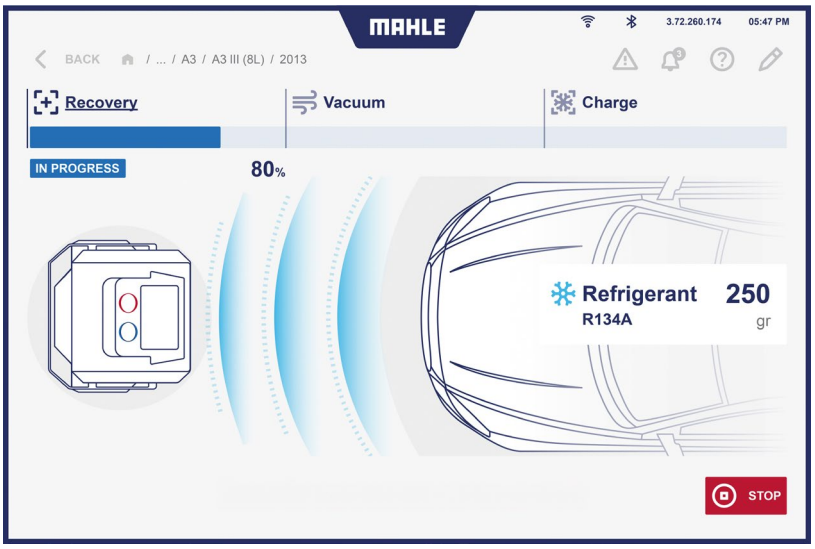
Responsive touchscreen operation, even while wearing gloves, for faster and more practical daily use.

A new user experience

The **ArcticPRO® user interface** has been completely redesigned to make every operation faster, clearer, and more intuitive.

New graphics, **optimized workflows**, and **enhanced visual communication** guide technicians through each stage of the service process, reducing complexity while improving efficiency and process control.

Combined with **high-resolution touchscreen** displays across the entire range, ArcticPRO® delivers a modern, consistent, and highly responsive user experience, **from the 4.3" display of Tech** to **the large 10" interface of Ultimate.**



- **Faster Workflows**

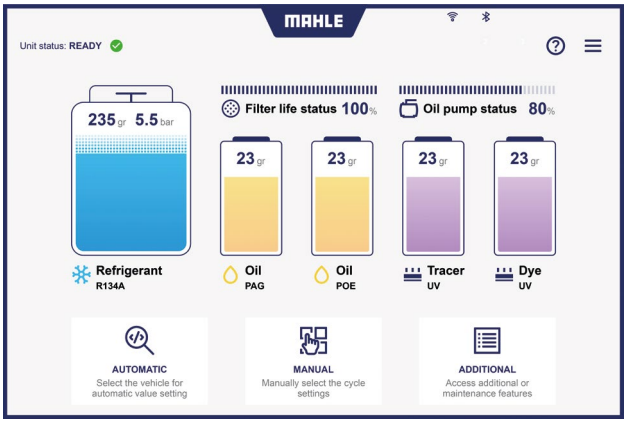
  Less tapping. More doing.

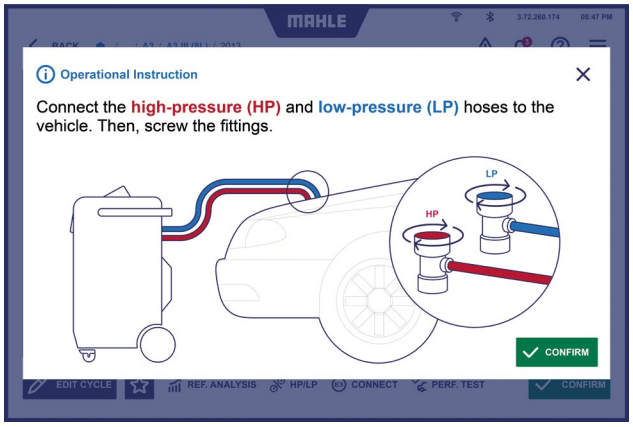
  Streamlined navigation and optimized process flows reduce the number of steps required to complete service operations.

- **Intuitive by Design**

  Clear guidance at every stage.

  Graphical representations of charging processes, system status, and vehicle interaction make operations easier to understand, even for less experienced users.





- **Enhanced Visual Communication**

  Information that's easier to recognize.

  Icons, colors, labels, and illustrations have been harmonized across the entire interface to improve readability and accelerate user interaction.

- **Consistent Across the Range**

  One experience. Every ArcticPRO®.

  A common interface philosophy ensures seamless usability across all models while supporting future feature enhancements and technology upgrades.

- **Instant Station Overview**

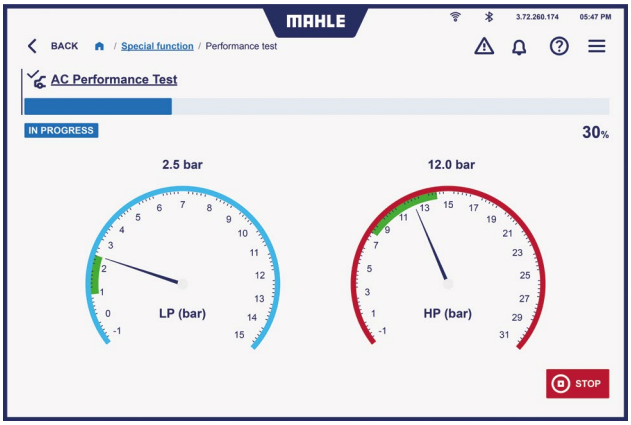
  Everything under control at a glance.

  A dedicated home screen provides immediate visibility of station status and direct access to the most frequently used functions.

- **Smart On-Screen Guidance**

  Help exactly when it's needed.

  Contextual tips and integrated guidance support users throughout daily operations, simplifying advanced functions and reducing uncertainty.



MAHLE Connect App

The **MAHLE Connect App** extends the ArcticPRO® Next Generation station beyond the machine itself, **maximizing technician productivity**.

Technicians can work in parallel on other tasks, but stay ahead of the actual A/C job. **Service progress can be remotely monitored and controlled via smartphone**, while instant report generation improves efficiency and streamlines A/C service.

Automatic vehicle identification and instant access to service data eliminate manual steps and accelerate operations.

MIA, the integrated **AI companion** provides immediate access to technical knowledge and service procedures, enriched by decades of MAHLE's OE and service expertise.

Cloud connectivity ensures that station **data, service information and documentation are always available** when needed.

- **Ask MIA (MAHLE Intelligent Assistant)** - Get instant answers, troubleshooting guidance and quick access to relevant technical information for the job in hand, powered by MAHLE's unique technical expertise.
- **Automatic Vehicle Identification** - Simply take a photo of the license plate or VIN and let the system identify it and transfer the required data to the station.
- **Remote Service Control** - Track service progress in real time, interact with the station and control key functions directly from your smartphone while the station completes the A/C service.
- **Digital Service Documentation** - All service details are automatically documented, can be enhanced by technicians and included in the final service report.
- **QR Code Pairing** - Securely pair the companion app with the station in seconds, with no complex setup.
- **Serviceability** - Direct Technical Hotline Access

Engineered to Last. Built to Evolve.

The MAHLE technology platform at the core of every ArcticPRO® station.

- **Fully Automatic Service Cycle**

  All ArcticPRO® service stations feature automated recovery, vacuum, leak test, and recharge procedures, requiring no manual valves. This simplifies service procedures, reduces operator error, and lets technicians focus on more valuable tasks.

- **Next-Generation User Interface**

  ArcticPRO® models feature 4.3", 7" or 10" touchscreen displays with an intuitive user interface inspired by the TechPRO® platform. Guided procedures, images and text support technicians throughout the service process. Advanced, Expert and Ultimate models also include integrated audio and video content.

- **Future-Proof Refrigerant Compatibility**

  The ArcticPRO® range is compatible with R134a, R1234yf, R444A and R456A refrigerants. Stations can be converted to any compatible refrigerant offering maximum flexibility as refrigerant requirements evolve.

- **24 V Electronic Architecture**

  The 24 V electronic architecture and latest-generation MAHLE software platform improve energy efficiency, helping reduce operating costs and environmental impact.

- **E³-FILL | Patented MAHLE Technology**

  E³-FILL ensures precise and reliable refrigerant charging under all operating conditions. The fully automatic process allows technicians to perform other tasks while charging is completed.

- **E³-CONNECT | Patented MAHLE Technology**

  The exclusive connector design saves up to 4 grams of refrigerant per service, reducing waste. E³-CONNECT also supports Schrader valve diagnostics for faster fault detection.

- **Oil Care System | Patented MAHLE Technology**

  The Oil Care System protects oil from moisture contamination, preserving A/C performance and improving long-term reliability, especially in hybrid and electric vehicles.

- **Ready for Electric Vehicles and New Refrigerants**

  ArcticPRO® stations are fully compatible with EV A/C systems and feature a simplified flushing function that requires no additional adapters. All models can be used with a refrigerant identifier to help prevent contamination.

- **Designed for Commercial and Agricultural Applications**

  All ArcticPRO® models support passenger, commercial, truck, and agricultural vehicles. Optional hose extensions up to 7.5 m on Tech and Advanced models, and up to 9 m on Expert and Ultimate models, ensure maximum service flexibility.

- **Integrated Connectivity**

  The dedicated App, MAHLE Connect website, remote monitoring, integrated Wi-Fi, and automatic software updates deliver a connected digital ecosystem for smarter equipment management and more efficient workshop operations

- **Robust Construction**

  All models feature a heavy-duty chassis designed to protect internal components and increase durability. Expert and Ultimate models also offer OneTouch access for faster maintenance.

- **Best-in-class serviceability**

  Integrated remote support enables qualified technicians to connect directly to the station, providing expert assistance and ensuring best-in-class service.

Service Hotline

Our experts provide answers to all your questions about vehicle spare parts and workshop equipment.

+49 180 6 115599 | product.support@mahle.com

MAHLE
PAG

More Than A Service Station.

Installing an ArcticPRO® station is only the beginning of the journey.

MAHLE's commitment does not end when the equipment enters the workshop. It continues every day through solutions, services, and design features developed to simplify daily operations, reduce downtime, and help technicians work more efficiently. From routine maintenance to remote assistance, every detail is designed to keep workshops productive and focused on their business.

- **Easy Maintenance Access: Routine maintenance made simple**

  Regular replacement of filters and consumables should never be a concern. ArcticPRO® Expert and Ultimate feature the functional OneTouch opening system, providing immediate access to key internal components. Tech and Advanced have also been designed to offer quick and convenient access, making routine maintenance faster, safer, and easier to perform.

- **Beyond Service. A Multimedia Experience.**

  Modern workshops rely on digital tools every day. ArcticPRO® embraces this approach with multimedia capabilities that go beyond A/C service. Access video tutorials and operational content directly from the station, stream audio through portable Bluetooth speakers, or use the display to showcase promotional messages and workshop services whenever the unit is not in operation.

- **Remote Support When It Matters. Expert assistance, wherever you are.**

  Unexpected issues can happen. What makes the difference is how quickly they are resolved. With MAHLE remote support, a technician can connect directly to the station, perform diagnostics, and assist with troubleshooting without waiting for an on-site visit. A simple phone call is often all that's needed to restore operation and keep workshop productivity moving forward.

USED
PAG

Training for Real-World Performance

Knowledge is the first tool in every successful A/C service operation.

Operating modern A/C systems requires more than the right equipment. New refrigerants, evolving regulations, and increasingly complex vehicle technologies demand up-to-date expertise and practical skills. MAHLE training programs combine theoretical knowledge with hands-on experience, helping technicians understand system design, component operation, diagnostic procedures, and service best practices.

Training sessions are designed to bridge theory and practice.

Real workshop exercises using MAHLE equipment allow technicians to apply new skills from day one.

- **Refrigerant Handling Certification**

  Training on fluorinated refrigerants and regulatory compliance.

  Dedicated courses covering the correct handling of fluorinated refrigerants, environmental requirements, and service procedures in accordance with current regulations.

- **A/C Diagnostics and Repair**

  Advanced troubleshooting and repair techniques

  Practical and theoretical training focused on fault diagnosis, system repair, performance analysis, and professional service procedures for modern A/C systems.

Discover more

Access training programs, technical courses, certifications, and learning resources designed to support your professional development.

Visit the MAHLE Lifecycle and Mobility Training Portal **training.mahle.com**

Accessories that Complete the Service.

IDX 500 Refrigerant Gas Identifier

Identify First. Service with Confidence.

With vehicles on the road using different refrigerants and an increasing risk of contamination, refrigerant identification has become an essential step of every professional A/C service.

- Detects R134a and R1234yf mixtures at any concentration
- Fast analysis and immediate results
- Protects A/C service stations from contamination
- Safe testing through the low-pressure connection
- Plug-and-play integration with MAHLE service stations
- Fully automatic operation and software-guided process

R.O.U. – Recovery Only Unit

Safe recovery of unknown refrigerants

When the refrigerant contained in a vehicle cannot be identified with certainty, recovery becomes a critical operation. The R.O.U. allows workshops to remove contaminated or unknown refrigerants safely before connecting the vehicle to the service station

- Safe handling of contaminated or unidentified refrigerants
- Protects technicians, equipment, and the environment
- Up to 95% refrigerant recovery efficiency
- Ready for immediate use alongside A/C service stations
- Complete service management including collection, analysis, transport, and disposal

ACX Universal Flushing Unit

Professional flushing. Maximum flexibility.

A clean refrigerant circuit is essential after compressor failures, component replacement, or system contamination. The ACX Universal Flushing Unit provides a flexible and effective flushing solution, operating independently from the A/C service station and supporting both R134a and R1234yf applications.

MAHLE
R134a

OEM Approved Excellence: Tested for Quality and Durability.

Engineered to Meet the Highest OEM Standards

ArcticPRO® products are recognized for their outstanding quality and reliability, with multiple models approved by leading OEMs worldwide.

In the EMEA region, **ArcticPRO®** models have received approvals from BMW and General Motors, while in North America, more than 20 OEMs have approved models within the ArcticPRO® family.

To meet stringent OEM requirements and continuously enhance product quality, comprehensive stress testing was conducted in a **state-of-the-art climate chamber in Stuttgart**.

Through multiple testing cycles under demanding environmental conditions, the new ArcticPRO® generation demonstrated **exceptional durability**, **consistent performance**, and **compliance with the highest quality standards** expected by automotive manufacturers worldwide.

Technical features

ArcticPRO®	Tech	Advanced	Expert	Ultimate
Refrigerant	R134a, R1234yf, R444A, R456A	R134a, R1234yf, R444A, R456A	R134a, R1234yf, R444A, R456A	R134a, R1234yf, R444A, R456A
Refrigerant Kit Configuration (R134a, R1234yf)	■	■	■	■
Display	4,3" Touch	7" Touch	7" Touch	10" Touch
Automatic Service Cycle (Recovery, Vacuum and Recharge) with Automatic Valves	■	■	■	■
Automatic Vacuum Leak Test	■	■	■	■
Vacuum pump	HPV - 0,02 mbar	HPV - 0,02 mbar	HPV - 0,02 mbar	HPV - 0,02 mbar
Refrigerant tank	12 L	12 L	20 L	20 L
Filter-Drier Capacity	75 kg	75 kg	150 kg	150 kg
Oil bottles	2	2	4	5
Oil scales	-	1	4	5
Length of service hoses	3,5 m	3,5 m	4,5 m	4,5 m
Wi-Fi	■	■	■	■
Bluetooth	■	■	■	■
Status indicator lights	-	-	■	■
Thermal Printer	(■)	(■)	(■)	■
Refrigerant Identifier	(■)	(■)	(■)	(■)
Parking coupler for flushing circuit	■	■	■	■
Tank Scale Lock	(■)	(■)	(■)	(■)
Compatibility with hybrid and EV vehicles	(■)	(■)	■	■

■ **Standard** (■) **Optional**

ArcticPRO®	Tech	Advanced	Expert	Ultimate
VCI Connectivity	■	■	■	■
Energy Saving 24 V	■	■	■	■
E^3 – FILL - patented	■	■	■	■
E^3 – CONNECT - patented	(■)	(■)	■	■
Containers Oil Care System - patented	(■)	(■)	■	■
E^3 – PUMP (vacuum pump oil change after 1,000 h.)	■	■	■	■
OneTouch (Immediate access to internal components)	-	-	■	■
Automatic UV Dye Injection	-	-	■	■
Automatic UV Dye Injection for Hybrid and EV Vehicles	-	-	(■)	■
Non-Condensable Gases Management via Air Purge System	Automatic Detection, Manual Purge	Automatic Detection, Automatic purge	Fully Automatic Detection and Purge	Fully Automatic Detection and Purge
Nitrogen leak test / Forming gas leak test Integrated connection through external inlet	-	-	(■) with software license	■
Nitrogen Leak Test Function (optional External Kit)	(■)	(■)	(■)	(■)
Compatible with external audio speaker	■	■	■	■
Video playback	-	■	■	■
Compatible with flushing system VAS	(■)	(■)	(■)	(■)
Compatible with R.O.U.	(■)	(■)	(■)	(■)
MAHLE Connect App	■	■	■	■
Remote assistance	■	■	■	■

■ **Standard** (■) **Optional**

ArcticPRO
Ultimate
MAHLE
R1234yf

Member

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