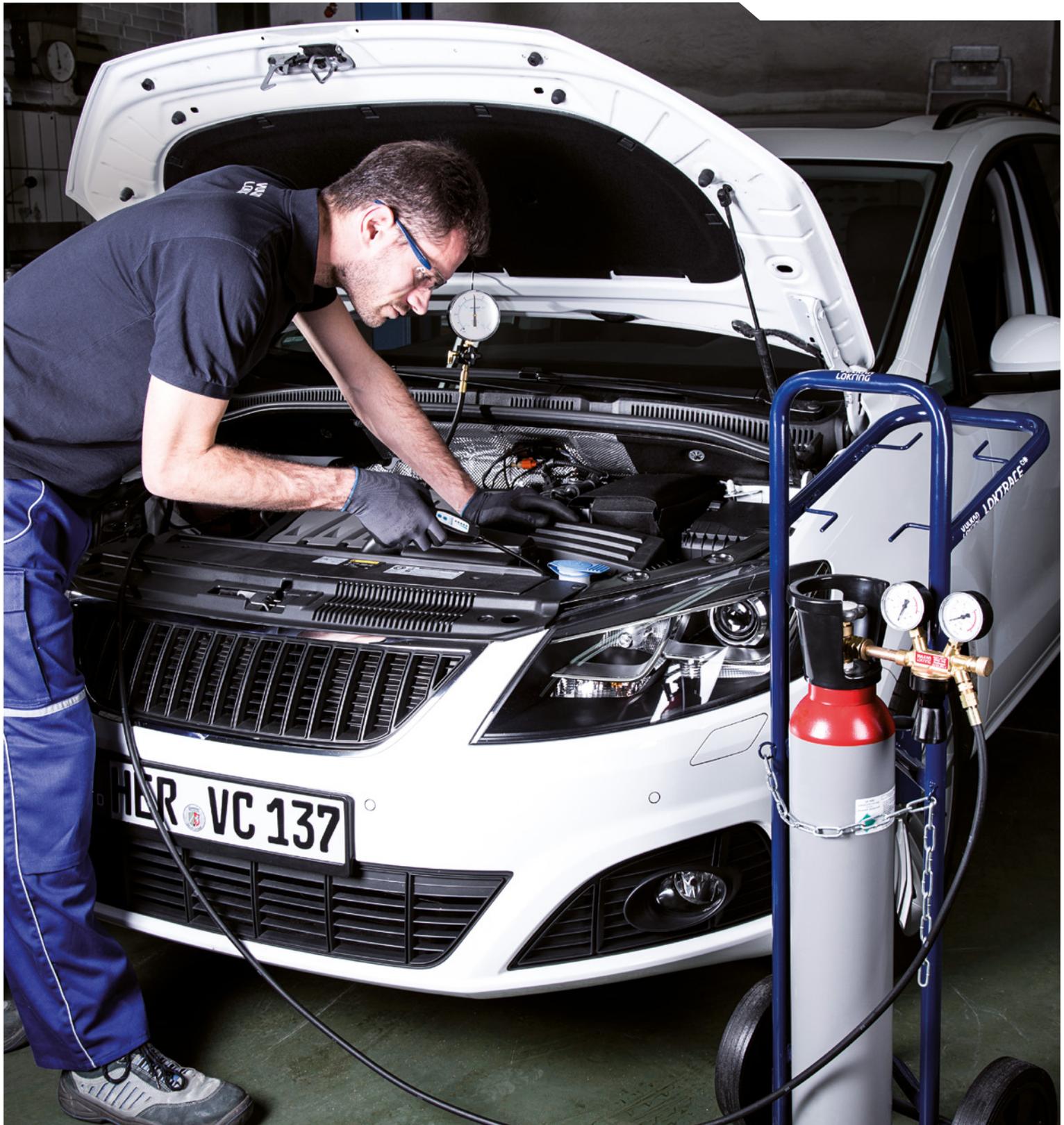


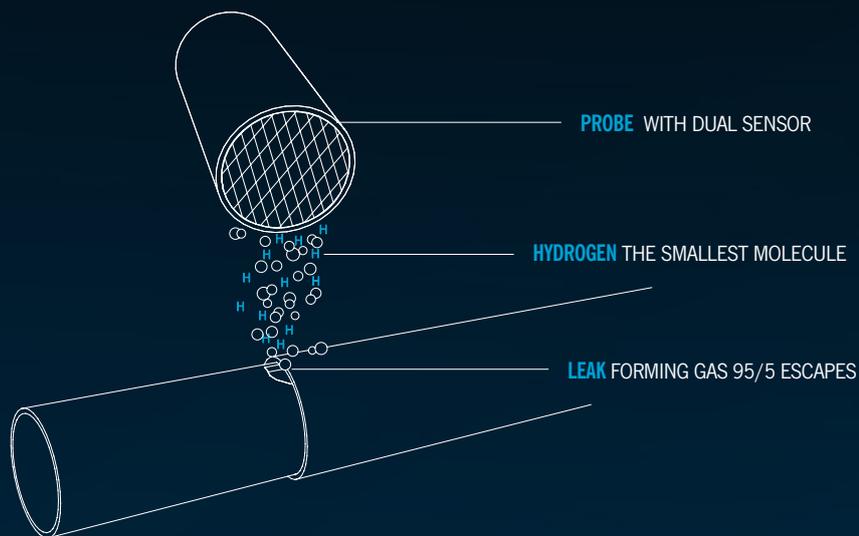
LOKTRACE TRACER GAS LEAK DETECTION

FIND THE LEAK!



LOKTRACE

TRACER GAS LEAK DETECTION



Hydrogen is lighter than air. The air conditioning tubes and hoses can be checked conveniently from above.

FIND THE LEAK!

THE LEAK DETECTION SYSTEM, ORIGINALLY DEVELOPED FOR INDUSTRIAL APPLICATIONS, HAS BEEN PERFECTLY ADAPTED FOR USE IN SERVICE, AND GUARANTEES LEGALLY COMPLIANT, FAST, RELIABLE AND EASY LEAK DETECTION.

FORMING GAS 95/5, which is a mixture of nitrogen and hydrogen, is filled into the air conditioning system for leak detection. Forming gas 95/5 is non-flammable, non-toxic, non-corrosive and not harmful to the environment. Hydrogen molecules are the smallest naturally occurring particles and escape from minimum leaks. With the help of the LOKTRACER TLD.500 the tiniest leaks can be detected. The leak detector reacts almost exclusively to hydrogen with nearly no cross-sensitivities to other gases.

- ⌚ In compliance with EU directive 2006/40/EG
- ⌚ Leak detectors with unique dual sensor
- ⌚ Detecting smaller leaks
- ⌚ Nearly no cross-sensitivity to other gases
- ⌚ Easy checking of the evaporator
- ⌚ Suitable for air conditioning systems using HFO-1234yf

CONCLUSION: LOKTRACE finds every single leak!



EVAPORATOR TEST The hydrogen molecules escape at the leak in the evaporator and get inside the passenger compartment through the ventilation slots.

LOKTRACE COMPARED TO CONVENTIONAL LEAK DETECTION METHODS

	LOKTRACE	UV dye	Electronic refrigerant leak detectors	Nitrogen and bubble spray
Compliance with legal regulations	✓	✗	✗	✓
Direct implementation	✓	✗	✓	✓
Detecting smaller leaks	✓	✗	✓	✗
Reliability	✓	✓	✗	✓
Easy checking of the evaporator	✓	✗	✓	✗

HYDROGEN LEAK DETECTOR AND TRACER GAS LEAK DETECTION SETS

HYDROGEN LEAK DETECTOR



- ⊕ Specially developed for refrigeration and air conditioning technology.
- ⊕ Made in Germany!
- ⊕ Reliable hydrogen leak detector with unique dual sensor technology.
- ⊕ Very low cross-sensitivity to other gases.
- ⊕ Step-by-step convergence on large leaks (zero setting).
- ⊕ Automatic sensor cleaning.
- ⊕ Without pump or filter thanks to diffusion technology.
- ⊕ Integrated LED light.
- ⊕ Acoustic and visual alarm.

Article no.	Article name
L13005099	LOKTRACER TLD.500

Technical data	
Time until ready:	< 60 s
Response time:	1 to 2 s
Operating period:	approx. 5 h
Power supply:	Rechargeable batteries

Available separately		
Article no.	Article name	Description
L14004043	PA-TLD.500	Charging cable

CYLINDER TROLLEY SET FOR TRACER GAS LEAK DETECTION



- ⊕ Complete kit for tracer gas leak detection in vehicle air conditioning systems.
- ⊕ The cylinder trolley is suitable for conventional 10 l or 20 l gas cylinders.
- ⊕ Gas cylinder not included in the scope of supply.
- ⊕ Pressure reducer connection: W21,8-14 left hand thread (Kits with other pressure reducer are available on request).

Article no.	Article name
L13005004	LOKTRACE KA-500 W21,8-14

Scope of supply			
Article no.	Article name	Description	Quantity
L13005099	LOKTRACER TLD.500	Hydrogen leak detector	1
L14003939	CT.10/20	Trolley	1
L14003951	PR-TG.10 W21,8-14	10 bar pressure reducer	1
L13005015	PA-1/LT.10	Manifold gauge 10 bar	1
L13004971	HDS-A-G+G-3000-Y	Charging hose	1
L13002909	HDS-J-G+G-3000-Y	Charging hose	1
L14002502	QC-134a-BM	Low pressure quick coupler	1
L14002503	QC-134a-RM	High pressure quick coupler	1
L14003969	LOKTRACE KA.DC	Dust cover	1

CASE SET FOR TRACER GAS LEAK DETECTION



- ⊕ Complete kit for tracer gas leak detection in vehicle air conditioning systems in a robust plastic case.
- ⊕ Pressure reducer connection: W21,8-14 left hand thread (Kits with other pressure reducer are available on request).

Article no.	Article name
L13005139	LOKBOX TG-AUTO-500

Scope of supply

Article no.	Article name	Description	Quantity
L13005099	LOKTRACER TLD.500	Hydrogen leak detector	1
L14003951	PR-TG.10 W21,8-14	10 bar pressure reducer	1
L13005015	PA-1/LT.10	Manifold gauge 10 bar	1
L13004971	HDS-A-G+G-3000-Y	Charging hose	1
L13002909	HDS-J-G+G-3000-Y	Charging hose	1
L14002502	QC-134a-BM	Low pressure quick coupler	1
L14002503	QC-134a-RM	High pressure quick coupler	1

QUICK-COUPERS FOR HFO-1234YF



- ⊕ Allows the connection of LOKTRACE leak detection sets to HFO-1234yf vehicle air conditioning systems.
- ⊕ For connecting the charging hoses of the LOKTRACE leak detection sets the fitting A-1234 is required.
- ⊕ Tested in accordance with SAE J2888 (1234yf)
- ⊕ Connection: M12 x 1.5

Article no.	Article name	Description
L14004188	QC-1234YF-BF	Low pressure quick-coupler
L14004187	QC-1234YF-RF	High pressure quick-coupler

FITTING M12X1,5 M - 1/4" SAE M



For connecting the charging hoses of the LOKTRACE leak detection sets to quick-couplers for HFO-1234yf.

Article no.	Article name
L14004189	A-1234

ONLINE-SERVICE

FOR FURTHER INFORMATION, PLEASE REFER TO OUR WEBSITE WWW.VULKAN.COM.



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VALIDITY CLAUSE

The LOKRING® tube connection technology represents a proven method of producing hermetically sealed metal-to-metal tube connections. The LOKRING® tube connections are mainly used in the refrigeration and air conditioning industries. The use of LOKRING® tube connection technology in other fields is to be discussed with VULKAN Lokring. VULKAN Lokring as the supplier is responsible for the qualitative delivery of the tube connections and tools which are ordered from this catalogue.

The purchaser is responsible for the use of the LOKRING® tube connections and tools as directed. The assembly has to be done accordingly to the instructions and exclusively with original LOKRING® parts. The present Vehicle Air Conditioning catalogue shall replace all previous editions, any previous printings shall no longer be valid. The data contained in this catalogue refers to the valid state of affairs in time of the copy deadline. Any changes due to technical progress are reserved.

Status: 11/2016

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