

Frequently Asked Questions

Q: What is R744?

A: Low moisture carbon dioxide (CO₂) air conditioning refrigerant gas.

Q: What are the specifications for CO₂ to be R744?

A: R744 refrigerant gas must meet AHRI Standard 700 (H₂O ≤ 10ppm, CO₂ ≥ 99.9%)

Q: Where can I get R744?

A: Contact your local gas/welding supplier. (Example: Airgas, Linde, ETC.)

Q: Is R744 recovered and recycled like R12/R134a/R1234yf?

A: No. R744 is vented through the VAS581009. R744 is not recovered or reused.

Q: What is a common vehicle charge amount?

A: At the time of launch of R744 in USA/Canada, charge amount is approximately 420 grams/.925lb. (Refer to Service Information for specific charge amount for the vehicle being serviced.)

Q: What are the requirements for the R744 gas cylinder?

A: Liquid R744 cylinder with integrated liquid riser tube.

Q: What is the maximum cylinder diameter?

A: Cylinder maximum diameter is 8 inches.

Q: What are the common cylinder sizes?

A: 5 kg, 6 kg, 10 kg, 20 kg or 10lb. 15lb. 20lb.

Q: What is the maximum cylinder weight?

A: 50 kg/110lbs total weight of the cylinder and refrigerant.

Q: Which oil shall I use for the filling the cars ac?

A: The oil is car specific. (Refer to Service Information for oil specification for the vehicle being serviced.)

Q: Which uv tracer shall I use for the filling the cars ac?

A: The uv tracer is car specific. (Refer to Service Information for uv tracer specification for the vehicle being serviced.)

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Q: How do I refill the containers with ac with oil / uv tracer?

A: The VAS 581 009 respective container must be unscrewed and then filled.

Q: How do I start the ac machine? How do I do the commissioning?

A: Please refer to AVL DiTEST'S installation videos (<https://avlditest.com/index.php/en/vas-581-009-confirmation.html>).

Q: What does the color of the coupling mean?

A: Blue is for low pressure; red is for high pressure.

Q: How do I correctly enter the values when exchanging the CO₂ bottle?

A: Please refer to AVL DiTEST'S installation video "Bottle exchange" (<https://avlditest.com/index.php/en/vas-581-009-confirmation.html>).